The Aliming Journal

PORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 633 .--- Vol. XVII.

LONDON, SATURDAY, OCTOBER 9, 1847.

PRICE 6D.

MR. EDISBURY will SELL, BY AUCTION, in One Lot, pursuant to a decree of the High Court of Chancey, made in a cause of "Birch spains Price," with the approbation of Sir William Horne, one of the Masters of the said Court, at the Lion Inn, Wrexhau, in the county of Denbigh, on Tuesday, the 13th day of October, 1847, at Three o'clock in the afternoon, the FREEHOLD ESTATE, consisting of

PLAS-MOSTYN FARM, COLLERHES, AND MINERALS OF COAL AND HONOSTONE,
STOAL AND HONOSTONE,
STICATE HE THE SAID FARSH OF WHERHAM.

Ticulars may be had gratis: in London, at the said Master's chambers, Southampulidings, Chancery-lane; Messers Milne, Parry, Milne, and Morris, solicitors, Har-buildings, Temple; of Messer, Hughes, Fairloot, and Wobb, solicitors, Glement, and in the country, of Mr. Exaperius Pickering, mine agent and valuer, Rusbon once, solicitor, Brynhyfryd, Ruthin; and Mr. Humphreys Jones, solicitor, Wrex at the piece of sais; and at the principal inns, in Rusbon, Liverpool, Manchester, Shrewabury, Wolverhampton, and Birmingham.

WALL'S END COLLIERY.—TO BE LET, and entered upon on or after the 30th November next, for such a term of years as may be reed upon, all that current-going COLLIERY, well known by the name of WALL'S ND COLLIERY, at present held by William Russell, Esq., under lease from the Dean ad Chapter of Durham—comprising the COAL Minks under the whole of the lands in the township of WALL'S END, in the county of Northumberland.

The Low Main and the Beaumont Soams, which have been bored to, remain throughest untouched; and the Beasham Seam supplies the vend of the existing colliery. The colliery is contiguous to, and has shipping berthe in, the Siver Tyne.

Plans of the workings of the colliery, and further particulars, may be known on application to Mr. B. F. Bord, Urpeth Colliery, Chester-te-street; or at the office of the Restreet of the Dean and Chapter of Durham, Durham.

Durham, Sept. 11, 1847.

TRONG MIXING PIG-IRON.—The YSTALYFERA IRON COMPANY beg to solicit ORDERS for their ANTHRACITE PIG-IRON. This iron mixes well with Scotch pig-imparting to it is trangith and elasticity, and receiving from it a portion of its softness and fluidity. No. 3 Pig is recommended for mixing with soft iron—Kos. 1 and 3, for machinery castings, requiring great soundness and strength. At this period, when cast-iron is so manch employed in the construction of bedgos and other pulldings, requiring all the strength and elasticity which the best mixture or metal will afford, it may be interesting to call attention to the characteristics of ANTHRACITE PIG-IRON, as zero-arm on by that great practical authority, the laip DAVID MUSHER, Eag., M.I.C. E.:—
"It recally exceeds, in strength, in deflective powers, and capacity to resist impact, but iron at this time manufactured in the United Kingdom."
"It moust only remains for me to inention a property peculiar to this iron, which was noticed at the time I made the trial experiments, four years ago, but which has been more failty developed in these more recently made. The property rebrared to is one of great springiness, or elasticity, which communicates a tendency to the bar, in deflecting and breaking, to resume its rectangular form. Ears that had obtained a permanent set of 2-10ths, when afterwards broken, presented but a slight deviation from a right line; and in ocase, did the curvature exceed one-fourth of a tenth."

"It was also remarked, that most of the fractures, in breaking, presented a requirering great stronghout, resembling the structure of subsordence steel."

Dated June 22, 1847.

Mar MEATH, SOUTH WALES.

LAOT-BLAST WITHOUT COAL, LABOUR, OR REPAIRS.

OT-BLAST WITHOUT COAL, LABOUR, OR REPAIRS.
DEXON AND BUDD'S PATENTS.
DIFFORM PROPERTY OF PATENTS.
DIFFORM PATENTS.
DIFFORM PROPERTY OF PATENTS.
DIFFORM PROPERTY

ATENT GALVANISED IRON AND WIRE ROPE WORKS, ANDREW SMITH begs to inform the Mining, Railway, and Shipping interests, that he is obtained a PATENT for an IMPROVED METHOD of GALVANISING IRON, proceeding a much superior article at a considerable saving in cost—the improved process for inesting wire rope, adding only 210 per ton instead of 230, under the ordinary process. The rope is extensively fixed in clamp situations, for mining and railway purson, and are slips' standing righting.

SSATING AND ANALYSIS.—Mr. MITCHELL begs to inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MANUFACTES, that me still continues to CONDUCT ASSAYS and ANALYSES of all PROTS, metallargical and manufacturing, at his LaBORATORY,

29, HaWLEY-ROAD, KENTISH TOWN, LONDON,

with address communications are to be forwarded.—Instruction in all branches of sing and analysis as usual.

DCOCK'S PATENT SPRAY PUMP.—This important INVENTION having been PERFECTED, and brought into SUCCESSFUL CTICAL OPERATION at LLANHIDDEL; at pits belonging to R. J. Blewitt, Esq., Llantarnam Abby, near Newport, Monmonthabire, the PATENTEE is ready to EVE, and to execute, ORDERS.—Apply to Henry Adocck, C.E., at his offices, 137, add, London, where pampleists, descriptive of the invention, may be had; at the office of Mining Journal, 28, Fleet-street; and through any respectable bookseller—price of

USPENSION AND COMPOUND WROUGHT-IRON BRIDGES—Just published, TWO BEAUTIFUL PICTORIAL ENGRAYINGS shibiting a VIEW of Mr. MOTLEY'S NEW FLAN OF SUSPENSION, orector STON, near Bath, nearly 246 Sect long; the other representing his novel PLAN BOUGHT-IRON BRIDGE at CLIFTON, near Bristel, upwards of 600 feet span. had of Mr. John Weale, Architectural Library, 59, High Holborn; and at the Mining Journed, 26, Feet-street, London.

Price: plain, is. each; coloured, is. 6d. each.

In the press, and shortly will be published, with several illustrations, price is.,

THE PERRAN CHERRYBEAM: A Comic Poem. By the
author of the St. Agnes Bear Hunt-Illustrative of Cornish dialect and phraseoy-being the ADVENTURES of DANNIEL DADDLE and JIMMY LINKIN,
And what befel them is here put in,
And the unsartintees of shutting."

Trure: J. B. Netherton. Dated Sept. 30, 1847.

DATENT LMPROVE MENTS IN CHRONOMETERS, WATCHES, AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockspur-street ratch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highings rince Albert, begs to sugular the public, that the manufacture of his chromometers atches, and clocks, is secured by three separate patents, respectively granted in 1836 40, 1842. Silver layer wichoes, lewelled in four holes, 6 gs. each; in gold cases, from 3 to £10 extra. Gold horizontal wa class, with gold dials, from 8 gs. to 13 gs. each; DENT'S PATENT DIPLIED/GOOPE, or median instrument, is now ready for delivery amphlets containing a description and directions for its use 1s. each, but to customers graits.

Attention of Steam-boat Proprietors, Engineers, and persons who may possesses, to his NEWLY-IMPROVED STEAM-GAUGE, for high or low pressure, which the temperature of the steam. The gauges on board itself-lated Oriches—secording to the evidence adduced at the inquost—on account of the water y becoming intermixed, at the pressure of 40 lbs. per square inch.

The property of the steam will show any pressure with accuracy; y been used, the accident might have been prevented: they are fitted up in a case, price 32 %. each.—HEKRY BAKER, Barometer, Thermometer, and uncent Maker, No. 90, HATTON-GARDEN.

IMPORTANT TO RAILWAY AND STEAM NAVIGATION CONFANIES, MANUFACTURERS, AND ENGINEERS.

W. BROTHERTON AND CO.'S

PATENT LUBRICATING FLUID (or animal oil) FORTALL DESCRIPTIONS.

W. B. & CO. have the pleasure to state, that the above article is extensively used in her Majesty's Steam Navy, and by several of the principal Steam Navigation and Railway Companies, and is pronounced by them, and by the first practical engineers of the day, to be far better adapted for the purposes of imbrication than any other article hitheric used for such purposes. The Patent Lubricating Fluid is equally applicable for the most intricate and fine pieces of machinery, as for the heaviest bearings of the steam-engine. It is cheaper, much more economical, and cleaner than oils at present in use; is free from smell, and calculated to effect a vast saving in the expenditure of working steam powers. Further particulars can be had, and testimonials seen, by applicable to the manufacturers,

W. BROTHERTON & CO, Hungerford Wharf, Strand, London. M.B.—The above article will burn in jamps, and give a light equal to the best sperial oil.

HE PATENT OFFICE AND DESIGNS REGISTRY
No. 210, STRAND, LONDON.

INVESTORS will receive (graits), on application, the OFFICIAL CIRCULAR OF
FORMATION, detailing the eligible course for PROTECTION of INVESTIONS and
SHOMS, with Reduced Scale of Fees.

SHOMS, With Reduced Scale of Fees.

SHOMS, WITH RESULTING PATENTS and REGISTRATIONS OF DESIGNS, with due
rand to VALIDITY, conomy, and dispatch—assisted by scientific men of repute.

Also, in MECHANICAL and ENGINEERING DRAWINGS, whether connected with
toms, Railways, or otherwise, by a staff of first-rate draftamen.

SPIGNATION OF THE PROPOSALITY OF THE STATEMENT OF THE STATEMENT.

PROPISE AND PROFESSALITY OF BY ISSUED ASSISTANCE.

n Wednesday, October 13. The syllabus may be obtained by application to the Secretary of King's College, Londo Septamber, 1847. R. W. JELF, D.D.

ALEXANDRIA, AND THE FENINSULAR FORTS.

PASSAGE TO BOMBAY, MADEAS, AND CALGUTTA.

The Penineular and Oriental Steam Navigation Company BOOK PASSENGERS in CULTOM, MADRAS, and CALCUTTA direct, by steamers leaving Southampton on the 18th Advandaria, or receive to Bombay, on the 1st of every month.

A steamer from Southampton leaves the 1st and 20th of every month for Malta, when are steamers to Naples, Genos, Civicat Vecchia, three times a month.

STEAM TO CORUNNA, OPORTO, VIGO, LISBON, CADIZ, AND GRRALTAR.

A steamer leaves Southampton on the 7th, 17th, and 37th of every month.

Apply st the Peninsular and Oriental Steam Navigation Company's offices, 51, 51. Malace, London, where only passages can be secured throughout.

THAMES ECONOMICAL STEAM-BOAT COMPANY.

(REGISTERED PURSUANT TO ACT OF PARLIAMENT.)

ESTABLISHED ON THE PRINCIPLE OF CHEAP AND EQUALISED PARES.

Capital £40,000, in 8000 shares, of £5 sech,

On which £7 per share will only be called until after a meeting of the shareholders,
approving of a further call to extend the operations of the company.

No call to exceed to, per share.

The shares may be paid by small instalments,—vide Prospectus.

Each shareholder to receive a bonus of free passage.

The to be full amount of paid subscription.

The object in promoting this company is to previde for the public a safe and seconomical steam communication from London-bridge to Greenwich, assisted by all the advantages which improved science can suggest. The company will run express boats morning and evening.

A considerable portion of the shares having been subscribed for, application for the remainder may be made at the offices of the company, 13s, Upper Thame-street; or to the solicitor, 47, Bedford-row, where prospectuses and plans may be obtained, and every information furnished.

EXECUTE TELE GRAPH COMPANY.

ELECTRIC TELEGRAPH COMPANY

LONDON, 345, STRAND, September 1, 1847.

COMMERCIAL TELEGRAPH.

The works of the lines for commercial communications, between the places enumerate below, embracing a SYSTEM of TELEGRAPHS for COMMERCIAL PURPOSES only and distinct from that reserved for the special use of railways, being so far advanced a to admit of their completion by the commencement of the coming year, the directors than that the time has now arrived, when it becomes their duty to make known the arrange ments which they contemplate for the accommodation of the public.

neutr which they contemplate for the accommodation of the public.

STATIONS will BE OPENED, in central situations, in the PRINCIPAL TO thence MESSAGES and DISPATCHES will be FORWARDED TO, and RECEI ROM, all the OTHER STATIONS of the ELECTRIC TELEGRAPH COMPANY. In order to give to Merchants. Bankers, Manufacturers, and all connected with the greatest possible amount of information, a BOOM will be RESERVED in each to OMPANY'S STATIONS for SUBSCHIBERS, in which will be received, tabulated, whibited, all intelligence of Commercial or Public Interest—for instance:

SHIP LESTS, from the various Peris.

SHARE LISTS, from the various Exchanges.

PRICES CURRENT.

Thefollowinga	rothe Towns to w	hich the Commerci	al Telegraph will !	oe first extended :-
London Margate Ramagate Deal Dover Folkestone Canterbury Northampton Coventry	Chester Liverpool Rotherham Barnsley Wakefield Leeds Halifax Rochdale	Southampton Winchester Dorchester Bristol Gloucester Cheltenham Peterborough Yarmouth Huntingdon	Derby Nottingham Lincoln Chesterfield Sheffield Bradford Wisbeach Lowestoff Cambridge	Darlington Newcastle Berwick Edinburgh Glasgow, Scarborough Bridlington. Stamford Norwich
Birmingham Wolverhampton Stafford	Maidstone Tonbridge Gosport	Hertford Manchester Leicester	Chelmsford Ipswich York	St. Ives Ware Colchester RDO, Chairman.

OMMERCIAL TELEGRAPH.—That the public may judge of the VALUE of Massrs. BRETT & LITTLE'S TELEGRAPH, in comparison the Double Newden Triconarie, a DESCRIPTIVE PAMPHLET of the INVEN

BY HER MAJESTY'S LETTERS PATENT.

FULLER AND DE BERGUE'S VULCANIZED INDIARUBBER BUFFERS and BEARING SPRINGS FOR RAILWAY CARRIAGES
The PATENTEES of this NEW and IMPORTANT INVENTION beg to announce to
Engineers, Carriage-builders, and Railway Companies (especially those constructing new
lines), that they have now completed their arrangements for SUPPLYING the VULCANIZED INDIA-RUBBER BUFFERS and DRAW-SPRINGS, for Passenger-Carriages
Waggons, Cattle-Carriages, Engines, Tenders, &c., and are prepared to execute Ordgo

TENDERS, the recent trials of which have proved most su

PLEXIBLE HOSE-PIPES FOR LOCOMOTIVE ENGINES,
RAILWAY CRANES, FIRE-ENGINES, GAS, &c.
PATENT VULCANISED INDIA-RUBBER HOSE-PIPES AND TUBING
OF EVERY DESCRIPTION.
Those pipes are made to stand hot-water without injury—are very superior to leather pipes, or the common india-rubber pipes; and, as they do not become hard or sitff in the lowest temperatures, or require any application when out of use, are particularly well adapted for fire-engines.
ELEXIBLE TUBING, of every description, for gas, chemical purposes, &c.
VULCANISED INDIA-RUBBER WASHERS, all sizes, for steam and hot-water joints, Sec.—Sole manufacturer,
JAMES LYNE HANCOCK,
Gewell Mews, Gowell-road, London.

VIADUCTS AND OTHER RAILWAY WORK.—The attention of Railway Engineers. Architects, and Contractors is particularly directed to the great advantages to be derived from the application of SEYSSEL ASPHALTE, as the only impervious sind permisses covering for arches and roofs, and lining of reservoirs, gutters, &c. The arrangements of CLARIDGE'S PATENT ASPHALTE COMPANY could be to execute works of any extent with the greatest promptitude.

22000 WANTED, to carry out a LUCRATIVE MANUFAC-

TO IRON MASTERS AND OTHERS.—TO BE SOLD,
BY PRIVATE CONTRACT, a very powerful BLAST-ENGINE, with a 54-inch
steam cylinder, and 108-inch blossing cylinder. Also, a 50-inch and 56-inch cyrea.
Tribon Reals of the Market State of t

WHEAL BARBARA AND CASCADE MINES.—SHARES in the ABOVE MINES FOR SALE.—For particulars, apply to Mr. William renery, Mining Offices, 9, 8t. Michael's-alley, Cornbill, London.

ANTED, FOR NEW SOUTH WALES, an intelligent and experienced MINE AGENT—one well acquainted with mineral formations, and the strain in which they are generally found—who could undertake to explore a new district of sometry here mineral deposits are supposed to exist, and to determine, from mineral indication, and otherwise, the particular locality in which mining operations would be able to direct all the necessary labour,

MINING OFFICES—ESTABLISHED THIRTEEN YEARS.
WILLIAM TRENERY begs to inform his friends and the public, that he talked of the public of the publ

MR. R. TREDINNICK, MINING AGENT AND DEALER
IN EVERY DESCRIPTION OF SHARES.
THREE KINGS COURT, LOMBARD-STREET, LONDON. 26

MINING OPFICES, 1, ST. MICHAEUS-ALLEY, CORNHILL, LONDON.

ATSON AND CUELL, MINE AGENTS.

N.B.—STATISTICAL INFORMATION furnished (on application) to SHABI
HOLDERS in MINES in Cornwall, Devon, Scotland, Ireland, Wales, and Spain.

WILLIAM H. SMITH, MINING SHARE AGEN 10, WARNFORD-COURT, THROGMORTON-STREET, LONDON.

WILSON & FRASER, 2, WELLINGTON - BUILDINGS
LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALITICITY, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS.

JAMES LANE, MINING SHARE DEALE I

BRITISH MINING OFFICES, 41, MOORGATE-STREET,

MONEY.—MESSRS. WINSTANLEY & CO., Sharebrokers, inform their friends and the public, they make IMMEDIATE ADVANCES, to any amount, on the deposit of English and Foreign Railway Shares, Sorip, and Debentures, upon exceedingly advantageous terms: they also BUY and SELL overy description of STOCK and MINING SHARES, at much less commission than usually charged. 6, Bank Chambers, opposite the Bank of England.

DYFNGWM LEAD MINES, NORTH WALES CONDUCTED ON THE COST-BOOK SYSTEM.

Where sections and plans of the mine may be seen, and all information obtained.

LTEN MINING ASSOCIATION.—The directors of this association hereby give Notice, that a GENERAL MEETING of the shill be HELD at the offices, Winchester-house, 52, Old Broad-street, on Friday of October inst., at One for Two o'clock precisely, for the purpose of recepport of the directors, and a statement of the financial accounts, to the 31st M

CREAT SOUTH TOLGUS MINING COMPANY.—The directors hereby give Notice, that SIXTY-FIVE FORFEITED SHARES in this COMPANY will be PUBLICLY SOLD, for the benefit of the company, at the Glarandon Rooms, South John-street, on Friday, the 29th inst., at Six o'clock in the evening.

By order of the board,

ROBERT TAYLOR, J Directors.

Liverpool, October 2, 1847.

OFFICE OF THE GOVERNOR AND COMPANY OF COPPER MINERS IN ENGLAND, Castle Baynard, 13, Upper Thames-street, London, Sept. 37, 1847.—The Court of Assistants of the Governor and Company of Copper Minors in England hereby give Notice, that a SPECIAL GENERAL COURT will be HELD at the offices of the company, Castle Baynard, No. 13, Upper Thames-street, on Wednesday, the 13th October neat, at Two o'clock precisely.

By order of the Court of Assistants,

E. YOUNGER, Secretary pro tem.

hereby given, that the ANNUAL GENERAL MEETING is company will be HELD at 44, Finsburg-square, on Thursday, at at Two o'clock precisely.—London, Sept. 25, 1847.

CALLINGTON MINES COMPANY.—At a Quarterly Gene
ral Meeting of shareholders, held at the offices, 44, Finsbury-square, London, or
vednesday, the 29th Sept., 1847, the following resolutions were proposed and carries
nanimonaly:

Resolved,—That the reports and accounts, now read, be received, adopted, and outgree
the cost and transfer between

Band TINCROFT MINING COMPANY.—At a General Meeting

of the shareholders of this company, held at the offices, 44, frisbury-square, Lo don, on Thursday, the 30th Sept., 1847, the following resolutions, being proposed and conded, were carried unanimously:—

Resolved,—That the reports and accounts, now read, be received, adopted, and order in the minute-book.

Resolved,—That the thanks of this meeting be presented to the chairman and direct for the judicious manner in which they have conducted the affairs of this company.

RICHARD HODISON, Chairman.

TO ENGINEERS, RAILWAY CONTRACTORS, MINING AGENTS, IRONMASTERS, AND OTHERS REQUIRING FINE GREASE OF MACHINERY and AXLES of every description.—JOSEPH PERCIVAL'S IMPROVED ANTI-FRICTION GREASE is—after trials on machinery and axles of every kind when constant friction is kept up—admitted to be the most usual, economical, and best preparation of the kind eyer offered to the public.

OPINE OF SOLOSION.—"Whether 'Ophir' was on the peninsula of Malacca, contiguous to the China Sea, or at Sofala, on the east coast of Africa, is doubtful. I visited Sofala in her Majesty's reseale Leves and Betracountain 1824; and Malacca in 1844, in her Majesty's steamer Spitsful; my opinion is in favour of Malacca being the true Ophir. There is a large mountain on named, contiguous to the coast at Malacca, and the abounds in gold. In sailing close along the shore at night, the air was perfumed as if with spices and frankincense. The whole country teems with rich and rare products. Sofala, on the contrary, is a low swampy territory; no meantain is visible; gold dust is certainly obtained there, from the interior, but there are no spices, frankincense, or myrrh. Hashitude prohibits the growth of those articles, while Malacca is a specially adapted for them. The transition of the Jews from Malacca, up the coast, to China, was an easy matter; indeed, the Chinese themselves visited the Red Sea and Persian Gulf. About the year a.D. 1150, the Rabbi, Benjamin of Tudela, visited several eastern countries, for the express purpose of ascartaining the residence of the lost tribes. The Rabbi found some of his brethren in Sanarcand, China, and Tibet; in the first city he found 50,000 Israelites."—Martin's China.

This Great Porglamity of Holloway's Onyment and Pulla is the second of the secon

THE GREAT POPULABILY OF HOLLOWAY'S CINTMENT AND PILLS IN THE WEST INDIES, IN THE CURS OF ALL SKIN DISEASES.—A young gentleman, residing at St. Kitt's, was afflicted with a most distressing skin disease, commonly termed the "shingles." He had the best medical selvice that could be obtained in the island; but, finding that he served no benefit from their treatment, he determined on having recourse to Holleway's sintement and pills, which had a most gratifying effect, for, in a very limited period, these invaluable remedies completely cared him. Mr. T. C. Cable, of St. Kitt's, venches lartifle securacy of the statement.—Sold by all druggists, and at Professor Holloway's establishment, 244, Strand, London.

ONDON AND PROVINCIAL JOINT-STOCK LIFE INSURANCE COMPANY.—The DIRECTORS invite the public general Societies and BORROWERS, through them or from other part the peculiar system and striking advantages officed by this officery description of life assurance, investment, and loan business transacted

ow rates of premium and three-fourths of j for prospectures, &c., apply to Mices. 39, Nicholas-lane, Lombard-street.

JATIONAL LOAN FUND LIFE ASSURANCE SOCIETY, CAPITAL EVAN FUND LIFE ANSUKANCE

Capital 250, CORNHILL, LONDON.

Capital 2500,000.—Empowered by Act of Parliament.

stitution embraces important and substantial advantages with

es and Deserred Annutiles. The assured has, on all eccasions, th

out expense or forfeiture of the policy, two-thirds of the prem

iso the option of selecting benefits, and the conversion of his in

reminence or necessity.

neces for terms of years are granted on the lowest possible rates.

DUISION OF PROPERTS.

DIVISION OF PROFITS.

The remarkable success and increasing prosperity of the society has enabled the ditors, at the last annual investigation, to declare a fourth bosus, varying from 36 to
per cent, on the premiums paid on each policy effected on the profit scale.

496.	them.	Prem.	Your.	Bonus added.	Ronus in Cash.	Permanent reduction of Premium.	Assured may Borrow.
00	£1000	£0 34	1838	192 8 0 165 11 10 116 7 6	£109 0 11 87 1 4 74 1 9 54 0 10 49 10 0	13 10 2 11 3 1 7 18 10	£445 0 0 395 11 1 346 2 3 296 13 4 247 4 5

ON NERVOUS DEBILITY & GENERATIVE DISEASES.

—Just published, the Thirtieth Thomand, an improved edition, revised and corrected, 120 pages, price 2s., in a scaled envelope, or forwarded, post-paid, to any address, secure from observation, for 2s. 6d., in postage stamps, illustrated with numerous anatomical coloured engravings, "MANHOOD: the Causes of its Premature Decline, with Psin Directions for its Perfect Restoration." A medical essay on those diseases of the separative organs, emanating from solitary and sedentary habits, indiscriminate excesses, the effects of climate, and infaction, &c., addressed to the sufferer in Youth, Manhood, and Old Age; with practical remarks on marriago—the treatment and cure of nervous and mental debiffer, imposency, spriblis, and other urino-genital diseases, by which even the most shattered constitution may be restored, and reach the full period of life allotted to man. The whole illustrated with numerous anatomical engravings on sice, is colour, explaining the various functions, secretions, and structures of the reproductive organs in health and disease; with instructions for private correspondence, cases, &c.

BLY-IL CUERTIS and CO., Consulting Surgeons, 7, Frith-street, Scho-square, London.

REVIEWS OF THE WORK:—"Manhood: a medical work. To the gay and thoughtless we trust this little work will serve as a beacon to warm them of the danger sitendant upon the too rash indulgence of their passions, whilst to some it may serve as a monitor in the hour of temptation, and to the afflicted as a sure guide to health.—"Chrosicies." We feel no hesitation in eaving, that there is no member of society by whom the book will not be found useful—whether such person hold the relation of a parent, a preceptor, or a clergyman."—Swa, Evening Paper. "Curis on Manhood should be in the hards of youth and old age. It is a medical publication, ably writter, and developes the treatment of a class of painful maladies which has too long bean the prey of the illustrate and the designing. "United Stran ON NERVOUS DEBILITY & GENERATIVE DISEASES

The authors' residence; or rrom any of the above agents, on remitting 2a. 6d. in secting at any section of the authors' residence; or rom any of the above agents, on remitting 2a. 6d. in section of the authors' residence; or room any of the above agents, on remitting 2a. 6d.; or DR. La'MERT ON THE SECRET INFRANTIES OF YOUTH AND MATURITY.

With 3s coloured engravings.

Just published, and may be bed in French or English, in a scaled curvelope, 2s. 6d.; or post-free, from the author, for forty-two stangs.

ELF-PRESERVATION: A Medical Treatise, on the Physiology of Marriage, and on the Secret Infrimities and Disorders of Youth and Maturity, usually acquired; an early period of life, which enervate the physical and mental powers, dimenish and enfeeble the natural feelings, and exhaust the vital energies of Manhood; with Practical Observations on the Treatment of Nervous Debility, whether arising from these causes, close study, or the influence of tropical climators; local and constitutional weakness, syphilis, stricture, and all diseases and derangements resulting from indiscretion; with 2s coloured engravings, dilustrating the Anatomy, Physiology, and Diseases of the Reproductive Organs, explaining their various structures, uses, and functions, and the injuries that are produced in them by solitary habits, excesses, and infection.

BY SAMUEL LA'MERT, M.D.,

No. 9, Beround-Synaer, Beronn-Squaes.

Dector of Medicine, Matriculated Member of the University of Edinburgh, Licentine of Apothecaries' Hall, London, Honorary Member of the London Hospital Medical Society, &c.

"The author of this singular and talented work is a legally qualified medical man, who has evidently had considerable experience in the treatment of the various disorders, arising from the follows and fraities of early indiscretion. The engravings are an invaluable addition, by demonstrating the consequences of excesses, which must act as a salutary warning to youth and maturity, and by its perman, many questions may be astisfactorily replice to, that

THE SILENT FRIEND: a medical work, on the infirmities

THE SILENT FRIEND: a medical work, on the infirmities and decay of the generative system, from excessive indulgance, infection, and the inordinate use of mercury, with remarks on marriage, and the means of obviating certain disqualifications, illustrated by 26 coloured engravings. By R. & L. PERRY & Co., 19, Bernem-street, Oxford-street, London. Published by the suthorn; sold by Strange, 21, Paternoster-row; Hannay, 63, and Sanger, 150, Oxford-street; Starie, 22, Titchborne, street, Haymarket; and Gordon 146, Leadenhall-street.

Parr The First treats of the auxiliary and physiology of the reproductive organs, and is illustrated by six coloured engravings.—Part The Second treats of the consequences resulting from excessive indulgence, and their lamentable effects on the system, producing mental and bodily weakness, nervous excitement, and generative incapacity; it is illustrated by three explanatory engravings.—Part The Thrus treats of the diseases resulting from infection, either in the primary or secondary form, and contains explicit directions for their treatment. The consequences of neglect, and of the abuse, of mercury are also clearly pointed out. This section is illustrated by 17 coloured engravings.—Part The Fourth of the diseases of mercury are also clearly pointed. On the section is illustrated by 17 coloured engravings.—Part The Fourth of the diseases of mercury are also clearly pointed. On the section is limited by 17 coloured engravings.—Part The Fourth of the disease of the considered, and disease of the considered, and the whole subject critically and philosophically inquired into.

THE CORDIAL BALM OF SYERACUM is exclusively employed in treating nervous end excund debility, impotence, Sc., 11s. and 33s. per bottle.—THE CONCENTRATED DETERSIVE ESSENCE, and anti-sphillite remedy, for purplying the blood in cases of infection, secondary symptoms, cruptions, and the abuse of mercury, 11s. and 33s. per bottle.—THE CONCENTRATED DETERSIVE ESSENCE, at anti-sphillite remedy, for purplying the blood in case

BOYAL GEOLOGICAL SOCIETY OF CORNWALL

The thirty-fourth annual meeting of this satisfy was hald, in the Massaum-Nasth-Rarada, Penzanca, on Eriday, the lat inst., at which meeting the attendance of members and others was vary nameyers.

Sir-Chapares Lexnos, Bart, predient of the society, opened the business of the meeting by reading the saliress. He noticed the lose, ance the last meeting, of three of their members—Mr. Paynter, Mr. Boskenna, and Mr. G. D. John; and said, the additions to their numbers were only in prospects. He said: "We have, at variess times made effects to obtain for the society the direct co-operation of the miners—hithertounsuccessibility; for even the premiums which we have offered, with a view to induce them to communicate with us, have been without result. I have been told, that this backwardness proceeds from the reductance of the miners to put, peac. They are, as we sail know, most acute observers, and ever-early to impact the result of their observations; but, not being in the habit of writing for publication, they are unwilling to write; and, therefore, if we desire to possess their thoughts, we must employ some other hands than their own to record them. I have longht it worth while to make the experiment of employing the secretary of the Polytechnic in this service; and he has very kindly leaf me his assistance. The exealt will be laid before you in his own words; and I have only to notice the very triling cost incurred—his astual expenses having been only 12s. 6d.

The exealt will be laid before you in his own words; and I have only to notice the very triling cost incurred—his astual expenses having been only 12s. 6d.

The exealt will be laid before him, by Mr. W. R. So.; is ministing the processes of Nasure, by which costs are consoliated, laminated, for another, in a mould which have present in all parts of the earth's substance. Mr. Couch has laidy employed the same agent, to initiate experimentally another of the secrets, that Mr. Couch has laidy enopous the secrets, the substance. Mr. Couch has laidy enopous the s

who ewe the gratitude which is justly due to those who reliect honour on their native land."

The President then called upon Dr. Willan, one of the secretaries, who read

THE REPORT OF THE GOUNGIL.

At our last annual meeting, we completed our stath volume of Treasactions; and with the present year we commence a new one, which the council hope will equal, if not exceed, its predecessors in value. The council have greet pleasure in observing, that the investigation of the fossil geology of our county still advances. This is a subject to which the council would once more susceinful direct the attention of the society is five ills so deserved, that a large portion of our last volumes dedicated to this branch of our puresit; and, when weremember that the discovery of fossils in Cornial recks is set of recent date, the council may congratulate the society in the advance already made, and hope that its future progress will be equally rapid. In Pattings, of Launcesian, has followed up his observations on the carbonaceous deposits of the county, read at your last meeting, by further researches into the deposits of our northern shores—extending in a westerly direction from those proviously described. This line of research is particularly valuable, since it is in the region of the junction between the carboniferous and Devonian rocks. The paper is accompanied by illustrative fossils, which Mr. Pattisen has liberally presented to the society.

The sixth volume of the Society's Transactions was laid on the table, and a statement of finances was read, showing balance in hand from last account, 1514, 16a, 3d., and the available balance now in favour was 2172 3a, 4d.

JOSEPH CARNE, Esq., then proposed, that the sum of 6L be placed at the disposal of the council, for the purpose of remunerating Mr. Rundell, or some other individual, for collecting information from the various mines, to be reported at the next meeting,—J. A. Boase, Esq., seconded the motion, which was adopted sems.cos.

Samuel Property and the particular of the

was adopted nam. con.

SAMUEL PIDWELL, Esq., one of the secretaries, then read the

SAMUEL PROVELL, Esq., one of the secretaries, then read the DONATIONS TO THE MUSEUM.

Leanite—purchased by the society. Crystallised Iron, from the North United Mines, Zamnor—by Samuel Higgs, Esq. Suite of Specimens, from the Seepentine district—by Mr. Verran. Suite of Specimens, from the Seepentine district—by Mr. Verran. Suite of Fossils, from the south—eastern parts of England—by Mr. Rogers. Specimens of Fossil Wood, &c., with the adjacent recks, from the Macquaire Plains, Hobart Town—by W. D. Land, Esq. Organic Remains, from Landvet—by W. C. Fosch, Esq. Organic Remains, from Landvet—by W. C. Fosch, Esq. Ruby, Silver, Galena, &c.—by P. Johnson, Eq. Ruby, Silver, Galena, &c.—by P. Johnson, Eq. Ruby, Silver, Galena, &c.—by P. Johnson, Eq. Organic Remains, from Tintagel and the neighbourhood—by S. Pattison, Esq. Fossils, from Lanivet—by C. W. Fosch, Esq. Fossils, from Lanivet—by G. W. Fosch, Esq. Specimen, from a well-defined veln of copper, from Bullymurtagh; red oxide of copper, from Coquimbo; fragment of a pebble of copper, from Lake Superior; and red oxide of copper, from Coquimbo; fragment of a pebble of copper, from Lake Superior; and red oxide of copper, from South Wheal Baseet—by J. Garty, Esq. Red Oxide of Iron—by William Thomas Carse, Esq. Specimens, Blustrating Mr. Raudell's Report on cortain appearances in Gwinear Consols and Whoal Seton.

Specimens of the Oxide of Iron—br. L. Ratton, Esq.

nd Wheal Seton.

chmean of the Oxide of Iron—by J. Baiten, Esq.

te of Hölophychicus additioninus—by the President:

chmens, from quarries in the contro of Lincolnshire—by the Rev. C. V. Le Grice
chmens, from quarries in the contro of Lincolnshire—by the Rev. C. V. Le Grice
ord-Lead Ore and Carbonate of Lead, from Trehane Mine—by Mr. George Jennin

iliver-Lead Ore and Carbonate of Lead, from Trehane Mine—by Mr. George Jenning J. J. A. Boass, Esq., then read the Donattons To The Library in 1846 AND 1847.

Transactions of the American Philosophical Society at Philadelphia, vol. 4x., part till Proceedings of ditto, Nos. 34 and 35—by the Society at Philadelphia, vol. 4x., part till Archerolage of the American Philosophical Society of London, 1847, by L. Horner, Esq.—from the Anthor.

Bearly of Tides and the Prevailing Currents of the Ocean and Atmosphere, by W. 4 Reddeld, Esq.—from the Author.

Reddeld, Esq.—from the Author.

Reddeld, Esq.—from the Author.

Leport of the British Association, for 1846—by the Association.

Transactions of the Geological Society of London, vol. vil., part iii.; and the Quarter Journal of the same Society, for Nov., 1846, and February, May, and Angress, 1847, by the Society.

Journal of the same society, and the second of the society.

Bulletin de la Seciété Géologique de Franco—viz.: two Ros. for 1843 and 1844; four ditto for 1844 and 1845; five ditto for 1846 and 1846; and one ditto for 1846 and 1847.

—by the Society.

Fourteenth Annual Report of the Royal Cornwall Polytechnic Society—by the Society.

List of Members of, and Donations to, the Geological Society of France—by the Society.

ore imported from that exported by us, the balance was in favour of the latter in the proportion of one-seventh upon the whole produce.

Mr. Fox stated, that Mr. Duss, the engineer engaged on the Haarlem Lake, had said that he had discovered gold in a granular form in galena, in Wales; and he showed him (Mr. Fox) a for of gold six inches long and an inch over, obtained from 17 tons of the ere; and also in lead mines at Newquay, there was gold; and grains of gold had been found in lead ores, fron pyrites, &c. If they could find a few grains of gold in these ores, it would pay thrice over for extracting.—The Prassuurr observed, that it was only a law years since they began to extract silver from their cres.

Sir C. Lemon having vacased, the chair, Colonel Scodust proposed, and the Rev. Canon Rogens seconded, that Sir Charles be re-elected president of the society for the ensuing year, which was carried by acclamation.

The following officers, &c., were then elected:—

Vice-Presidents—R. Taylor, Eq., R. Blakemore, Esq., W. Williams, Esq., J. Vivian, Esq., Council—T. S. Bollito, Esq., J. N. R. Millett, Esq., J. S. Bortas, Esq., & Fox, Esq., R. Paynter, Esq., R. Millett, Esq., J. S. Enys, Esq., E. Boltho, Esq., J. A. Hos, Esq., J. Flamanh, Esq., R. Marson—T. Carner—Rev. E. Brag.—Librariam—J. J. A. Boase, Esq., of London, R. Hunt, Esq., of London, R. Hunt, Esq., of London, R. R. Newton, Jun., of St. Agnes; Mr. W. W. Rundell, of Faimouth; Mr. Chortey, of Pruro.

Votes of thanks were passed to the contributors of papers, &c., and the business of the second of with

Votes of thanks were passed to the contributors of papers, &c., and the business terminated.—The usual dinner afterwards followed, which passed off with great éclat.—Condensed from the Pensance Journal.

Y ON THE VENTILATION OF COAL MINES.

An adjourned and numerously attended meeting of the Liverpool Polytechnic Socie was held, at the Royal Institution, on Monday week, —Hazaw Dawson, Esq., in the clar

numatic conditions to ware and economy.

all acquainted, gentlemen, with the geological part of the well as with the distribution and disposition of You are also aware that coal is a vegetable mesocles of formentation for ages, under enormous part of contains also large quantities of earburotted-by al, probably in a liquid state, and ready, from its contained of the pressure under which it has because of the pressure under which it has be

Fortherith Annual Report of the Royal Cornwall Polytechnic Society of France—by the Society.

List of Members of, and Donations to, the Geological Society of France—by the Society.

The following papers were read:—"On some Post-tertiary Strata in Cornwall, by Mr. Pattison; "On the Fossil Geology of Cornwall, by Mr. Pattison; "On the Fossil Geology of Cornwall, by Mr. Peach; "Remarks on the Geology of Cornwall, by Mr. Peach; "Remarks on the Geology of Cornwall, by Mr. Conch; "On a Stump of a Tree found in cutting a Drain at Hellgan," by Sir C. Lemon, Bart.; "On the Geology of the Tintagel District," by Mr. Peach; "On the Geology of Metalliferous Substances," by Mr. Peach; "On the Detrital Gold Deposits of Brazil," by Mr. W. G. Henwood; "On Stram Works," by Mr. N. Kwetten, jun; "On certain appearance in Gwinear Consols and Whoal Seton," by Mr. M. W. Randell; "On the rapid diminution of the Sand Banks in Mounts Bay," by Mr. R. Edmonds, jun; "On Sand Hills in the vicinity of Carhayes, near Gorran," by Mr. Peach.

The President sald, that he held in his hand a communication form Mr. Robert Huns, the keeper of mining records in the office of the Sand Banks in thousand the sald to the sald salds, real and Northunberland, but found here the same projudices and opposition that mas with the president, and the salds are also because of the salds and were made upon the salds and were a sald salds, and a few other salds and were made upon the salds and were sald were the salds and salds and present the salds and a salds and present the salds and a sald were sald were t

produits nitrand sulp effect a co is by the place the rent mon ture the principle of the control of the control

is, to carry a large pipe down the upcast shaft, where there is one, and down the upcast compartment of the single shaft, when such is the arrangement, to the bottom, and consecting smaller pipes with this, ramifying to the various "goaves," "pot-holes," and there places, where the dangerous gas accumulates. The material of these pipes might of the places, where the dangerous gas accumulates. The material of these pipes might of the places, where the dangerous gas accumulates. The material of these pipes might of the places, which were the places and the places of the p is, to carry a large pipe down the upcast shaft, where there is one, and down the compartment of the single shaft, when such is the arrangement, to the bottom, an acting smaller pipes with this, ramifying to the various "goaves," "pot-holes, "the processing smaller pipes with this, ramifying to the various "goaves," "pot-holes,"

Mr. Spreaces remarked that one objection to 197. Faraday's plan was, or course, mexpense. He meant to pump with a seam-engine in order to create a vacuum, but the adoption of Mr. Nasmith's mode of creating a vacuum, about the same time propounded, would obviate this.

Dr. Hume had had great pleasure in hearing Mr. Sweetlove's views; Mr. Sweetlove had mentioned them to him three years ago. At that time he understood that his plan embraced more than he had stated now; he understood that those ramifying pipes were to be punctured at the bottom with holes, so as to take off not only the gas generated in goats, but also in the passages. Supposing, he added, a very large quantity of this foul air was brought up to the top of the mine, as it would of course mix just at the top of the upshaft with the atmospheric air, would it not be very dangerous to persons in the immediate vicinity?

The Charbeman said, if no light was applied, it would escape very rapidly.

Dr. Hume remarked that, as society became civilised, more and more respect was paid to human life. Whether the honour of the plan was due to Mr. Faraday or to Mr. Sweetlove, they were much indebted to the latter gentleman for the lucid manner in which had brought the subject before them.

Mr. Swextrows said, he had abandoned the idea of puncturing the pipes, as the plan would thus have the defect of Mr. Ryan's—allowing the gas to diffuse in the air.

A Member asked how it would do, by means of an electric spark, or extending into goats and passages a heated platinum wire, to destroy the gas as it generated?—To this it was replied, that carburetied hydrogen could not be exploded by a rod float—it required a fame to do it. An electric spark would, however, explode it.

Another Member suggested that, possibly, the concentration of gas in the pipes, and its communication with the goats, would, in case of an accidental explosion, add to the danger.

Mr. Swextrows replied that the gas could only ignite at the orline, and the farme would not extend to any place but tha

Mr. Joseph Bourz thoughs the alleged apathy of coalowners might arise from ignorance, rather than indifference.

Mr. Sperger seid, Dr. Faraday's plan had already been laid before Government. He would ask, whether any coalowner had adopted the plan or not? or in what pit was Mr. Bran's plant in operation?—Mr. Swerzhove seid, he was not aware of one.

Mr. Lond seid, for the paddie-wheel, simple as was its construction, no less than 500 patents had been taken out. There was a just and natural caution in society—coalowners could not be expected continually to experiment.

Mr. Syrences answered, that he would never have been rid of smoke if the plans of two or three quacks had not at first been tried.

Mr. Joseph Bourz denounced smoke consumption as a humbug; he did not think it practicable to consume smoke, nor would it be so for years to come.

Mr. Lond asked, the arrangement of Mr. Sweetlove's paper being so beautiful, if it could all be got latked, the arrangement of Mr. Sweetlove's paper being so beautiful, if it could all be got latked, the arrangement of Mr. Sweetlove's paper being so beautiful, if it could be got latked, the arrangement of Mr. Sweetlove's paper being so beautiful, if it could be got latked, the arrangement of Mr. Sweetlove's paper being so beautiful, if it could be got latked, the arrangement of Mr. Sweetlove's paper being so beautiful, if it could be got latked, the arrangement of Mr. Sweetlove's baser on the Editor of the Mrining Journal, he would be quite delighted with it. Had Mr. Sweetlove any objection to its thus spoing forth?—Mr. Sweetlove, the society then adjourned.

MANUPACTURE OF ALKALI AND CHLORINE. -Mr. C. T. Dunlop, of Glasgow, has recently obtained a patent for some "improvements in the manufacture of alkali and chlorine, and in the application of the product resulting therefrom;" the first part of which consists in an improved method of producing chlorine, fit for manufacturing purposes, by the mutual decomposition of the following substances:—Muriate of soda, or any other mitrate—muriatic acid—nitric acid. In some instances it is also requisite to use sulphuric acid; and the patentee generally prefers to employ it, in order to obtain, as a residual product, sulphate of soda, sitch the manufacture of soda, &cc. All the above materials may be employed together, or only two of them; as, for instance, a nitrate with a musiate (in which case sulphuric acid must also be used), or a muriate with nitric acid, or a nitrate with muriatic acid, or muriatic acid with nitric acid: . In the latter cases, sulphuric acid; semployed, according to the results desired to be obtained. The patentee says—he does not confine himself to any proportions, but the process he usually adopts is, to bring together common asit, nitrate of soda or nitrate, and sulphuric acid, in suitable proportions; heat being then applied, chlorine, an oxide of azote, and muriatic acid, are evolved; these gases are caused to pass through a condenser, charged with sulphuric acid, of sufficient strength to absorb the oxide of azote; and then the chlorine and muriatic acid are separated by means of water. The second part of the fivention relates to the application of the product resulting from the above process, and consists in the production of nitric acid from the sulphuric acid, charged with oxide of azote, which is true nitrous sulphuric acid. This is effected by the aid of atmospheric air, steam, and water; and the process adopted by the patentee is, to introduce the nitrous sulphuric acid from the sulphuric acid, charged with oxide of azote, which is true nitrous sulphuric acid, as further to a sulphure acid into a saitable vessel, and, by the addition of water and heat, to has recently obtained a patent for some "improvements in the manufacture of alkali and chlorine, and in the application of the product resulting therefrom;"

PENNANT LEAD AND COPPER MINING COMPANY.

A. Salisbury-sirvet, Strand. London, October 8, 1847.

I have just returned from the mines, which I fully inspected, in company with Mr. Scott, one of the directors. Two gentlemen of the Society of Friends, who are large share-holders, were at Dinas Mowddwy at the same time, and made a survey of the works, accompanied only by Mr. Hugh Jones, the captain: they expressed themselves highly satisfied with the position and prospects of the undertaking. Mr. Richardson, a civil ongineer, practically acquainted with the value and properties of all the colouring earths, who was recommended to the company by gentlemen (shareholders) of the Society of Friends, has made a report on the property, at the request of the directors—it is annaxed. The drawings, alluded to in the report, can be seen at the office.

We first examined the eastern, or Liaith Nant, side. Doubleday's adit looks very well; the hard from pyrites has such down below the floor of the adit, and is replaced by a softer description, mixed with prina and fine spar, brilliantly impregnated with very small prills of mundle. In the forebreast there is a promising lode, of about 12 inches wide, composed of spar, flookan, and pyrites. We are following on the course of this lode—the men think well of it. Near the solid, they have met with a deposit of clay, quite similar to that near No. 17 doke, in the Furnityd Valley, is progressing most satisfactorily; the marks is the same as before, but rather softer since they pased through the branch.—The miners seem convinced they are approaching something good, and are working with energy. Really this is a most workmanlike adit, and does great credit to the men: it is portfectly straight and level; it is 7 feet high, and 5 feet wide in the narrow part, and is driven nearly 95 fathoms; the ground is fine killas, and is march your and the work of the seem of the seem of the seem of the seem of the contract of the c

The expense of driving Doubleday's adilt is 3l. 10s. per fathom; Mansell's adit, 7l. per fathom; and Oliver's shaft, 14l. and 15l. per fathom—in addition to the men at the turn-tree, who are paid as labourers.

I am, your mosi-obedient servant,

Mr. Richardson's Report to the Directors of the Pennant Mining Company:—

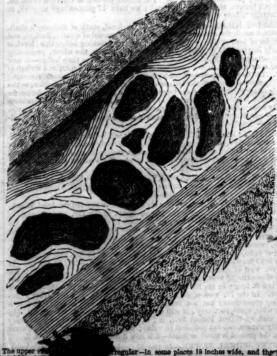
At your request, I have made a survey of the Pennant sett, and beg to inform you, and the various lodes delineated on the plans are very plainly discernable, naticularly those on the south and north-eastern boundaries. The sett being so extensive, and the lodes so numerous, I have considered it the most product course to pursue, in giving a report to confine my description to such portions as may be considered of immediate interest to the company, and as being in the locality of the present operations.

I have, therefore, carefully examined No. 14 lode, and find it to be 10 feet wide, somewhat loose and deranged, but possessing every appearance of being a strong and promising lode. It is composed of very fine gossan, spar, small spots of mundic, flockan, and traces of very fine copper ore. I consider, at a very slight depth below surface, this lode will assume a more regular form, and become more concentrated. I have traced it nearly all over the mountain: it is plainly visible in the morass, about 300 fathoms from the brow, where it cozes out in the stagnant water, carrying a strong oxide of fron. Its position is nearly vertical, though, probably, it may underlay in depth to the eastward.

No. 17 is a well defined lode, 3 feet wide, with regular walls, and one of a first-class character. It is, in liself, of sufficient importance to warrant a considerable expenditure to develope its properties. It may fairly be said to be a champion; and I have not the remotest doubt, but when cut in the level now driving, of proving productive in lead, of excellent quality: its underlay, at surface, is about 2 feet in the fathom; but, 1 think, it becomes more vertical in depth, otherwiselt would, before this, ha

to the shipping port is distant about to make a late of every description, is a feature in the present instance that may admit ut more alab, of every description, is a feature in the present instance commodity is found, is on the mature considerable.

The Umber District.—The locality in which this valuable commodity is found, is on the northern side of the sort; and the lode, or lodes—for there are several—commences in the brook at the foot of one of the waterfalls. They then take a regular bearing, with a considerable underlay, to the very top of the mountain. I have traced them as far as I could ascend the precipice, and taken many samples. They appear to improve in quality as they rise, but there is very little difference in their marketable value. The umber is of two kinds—fine and coarse—and may be said to form three layers. The lower one, which is the most regular, is about 12 inches wide, and lies on the foot wall of the lode. The centre one is of very fine nature, and what I call Vandyks of Commerce. It lies in bowls, imbedded in a strata of coarse killas, numixed with any other matter, in something of the following form:—

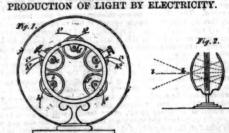


stance, and a company is new forming to work the sett for those two specific purposes unber and manganeso. This lock, with two lead bodes adjoining, is of sufficient lapportance to form a mine of itself; and it make no doubt, but in a very abort time, with care takes at its commencement, great and permanent profits will be dorived therefored. The commencement of t

at a very reasonable charge. This wharf is situated near the principal eastern colour manufactories of the metropolis, and easy means of transit are thus rendered at once available.

General Remarks.—The mining operations now in progress at the north-eastern side of the sott (if I may presume to advise) I should say at once ought to be suspended, and immediate attention paid to the umber works; for, in this, immediate returns at a positive profit will be the result. The umber veins, although of small importance in themselves, form a valuable adjunct to a mining sett; and, as small appendages make a perfect whole; should you still prosecute the driving of the level, I think the iron pyrites now being raised therefrom may be turned into account. I have no means of ascertaining their relative proportions; but if they contain 60 per cent, of sulphur, their value would be 50s, per ton at the mine. I entertain an idea that the manufacture of sulphur, calc might be conducted on the spot by the agency of peat—the process is by destructive distillation. I do not pretond to any knowledge of practical chemistry, but the following is the method of extraction in works I have been engaged in:—A furnace is formed about 5 ft. high 4 ft. wide, and 3 ft. deep, in which are placed a series of perforated iron shelves, about 9 in apart, on which are placed the ores to be roasted; on the floor of this is a furnace box with fire-bars and ash-pit; from the roof of the furnace is an eduction pipe leading to a chamber or main, which is made of lead; around this a stream of water is allowed to flow, for the purpose of obtaining a cooling surface. When the furnace is an eduction pipe leading to a chamber or main, which is made of lead; around this a stream of water is allowed to flow, for the purpose of obtaining a cooling surface. When the furnace is an eduction pipe leading to a chamber or main, which is made of lead; around this a stream of water is allowed to flow, for the propose of obtaining a cooling surface. When the furnace is ca

PRODUCTION OF LIGHT BY ELECTRICITY.



[Specification of patent granted to Thomas Wright, Esq., Cooper's-hill, Thames Dittod, urrey, for certain improvements in apparatus for the production and diffusion of light.] "Aceton's Journal.

(Specification of patent granted to Thomas Wright, Esq., Cooper shill, Thames Dittod, Survey, for certain improvements in apparatus for the production and diffusion of light. Jevening Journal.

This invention consists in producing a permanent light, by continually presenting one or more fresh points or surfaces of carbon, or other suitable material, to the path of an electric current.

Fig. 1 represents the apparatus employed for carrying out this invention.

A, is a double annular frame, constructed of wood, or other non-conductor of electricity, and enclosing five (or more) discs, b, c, d, e, f, the axes of which turn in bearings attached to the frame, a. The discs consist of two circular plates of brass, or other metal, enclosing between them a disc of plumbago or carbon (the latter being preferred, somewhat larger in diameter than the brass plates, about one-fourth of an inch thick, and having an angular or V-shaped edge. The axes of the discs, b, d, f, are mounted in sliding carriages, which can be moved backwards and forwards by means of the screwag, g. The discs are made to rotate by means of an endless band, passing around pulleys on their axes, and connected with wheelwork, which is actuated by a weight or other prime mover, so as to cause the discs to rotate with a slow uniform motion; and a current of electricity being then passed through the series of discs, a brilliant light will be produced at those edges of the discs that are adjacent to each other. A current of electricity may be caused to pass through the discs, byconnecting one wire of a galvanic battery with the axis of the disc, b, and theother wire with the axis of the disc, f, by turning the screwag, g; and, as soon as the electric current is established, and the points of contact with the discs, b, d, f, by turning the screwag, g; and, as soon as the electric current is established, and the points of contact with the discs, when a brilliant and permanent light will continue to be evolved uniadjacent parts of the discs, so long as the disc

surfaces of carbon, or other suitable—

HEAD—A gentlemen has discovered a plan

GREAT INVENTION—Governor Cincinnati to New York in two and a half
by which he can send a rahall not cost more than three times as much as the
hours, by a railroad aducts and other et crises. He can (he says) transport
telegraph, includive wo York, in a day of 10 hours, 400 tons of merchandies,
from Cincinnati exceeding the usual rates, and that without steam or horse
and at a secondari Times. We have for some time had some such project,
power in our mind's eye. Ever since Morse began stretching his wires along
as Unirous, we have been made missrable in those slow going thing—the
thins—by the reflection that, overhead, in the wires, there was a streak of
hightning getting the start of us, and telling all the news in advance of our
hightning getting the start of us, and telling all the news in advance of our
hightning yehiole, and then propal by electricity? Bailroads are certainly
the lightning vehiole, and then propal by electricity? Bailroads are certainly
the lightning vehiole, and then propal by electricity? Bailroads are certainly
the lightning vehiole, and then propal by electricity? Bailroads are certainly

Mining Correspondence.

ENGLISH MINES.

ARRISTIWN.—We have another part of the lode in the shaft sinking on the fibel, it is from 10 in to 1 ft, in width, composed of white iron and lead, heading the same as the part of the lode sank through. In the 18 fm. level, behind this end, the lode is about 1 ft. in width, and is formed as 18 fm. level, behind this end, the lode in about 1 ft. in width, and is formed as 16 fm. level, behind this end, the lode in about 1 ft. in width, and is formed on the feet wall of the slide, or channel of ground, whose we have hitherto been at fault; if has continued this course down with a ragular south unsieslay, of about 6 in, in a fathom, for the last 6 fms. from the point where the lode in its north underlay came in contact with the slide; this I consider is either leading to a slide, or channel of broken ground, for its foot wall; it is worth from 25 to 100, per fm., evidently gaining strength from dropping branches falling in with it in going down; the rise, over this, working on tribute, is worth about theasme, and as high up as the point where the lode came in contact with the slide; the flat part of the lode lately cleared under the 18 fm. level end east is in unsettled ground; it is about 1 ft. wide, and without ore. The 12 fm. level, on middle lode, ground; it is about 1 ft. wide, and without ore. The 12 fm. level, on middle lode, cant and weak, are worth about 8th to 100 fm.; in the adit end east we have branches of white iron, slightly impregnated with lead; it is now 30 fms. from the end of the workings at Nangles. We hope to complete shipping the lead by Tuesday; the quantity will be from 40 to 45 tons. Oct. 1.

BEDFORD UNITED.—At Wheal Marquis, we hope to complete the sump winze 11 fms, under the 80 fm. level, by the end of this week, whom we shall immediately commence driving the 90 fm. level act and worth from 50. to 60 per fm.

The lode in the ower in the lode in the 18 fm. level, where we have bramp winze, airling on the boath lode only, is 2 ft. wide, and worth from 50. to 60 per fm

the lode is producing silver-lead ores; the back will set at a high figure. In the south mine, the ground being rather hard, no lode has been taken down, in either of the ends, since last report.—Oct. 4.

CASCADE.—We have commenced driving the adit level on the cross-course, or lead lode, where we have already discovered a small vein of quartz, containing copper ore, mundic, and blende—thus proving, in the five lodes we have already opened, that mineral exists in each, large quantities of which will, no doubt, be produced at the adit level, without the aid of machinery. The adit is now being driven by six men, at 55s. per fm.—Oct. 6.

COATLITHE HILLS.—The level, east from A shaft, has been driven about 3 ft. during this week; the vein in the end is nearly a foot wide, composed of iron rider, spar, clay, and stones of lead ore; on the whole, the prospects are more favourable than they have been for some time past. In the horse level the men have risen within 3 ft. of the bottom of the limestone; and it is prohable the water will be let down from the shaft during the next week.—Oct. 2.

COOMBE VALLEY.—It gives me great pleasure in being able to lay be fore you a report of the present very prosperous state of our works. In my last, I had the unpleasant task of recording the gloomy appearance of the quarry being stopped, as we then were, for want of water to drive our machinery; but, at the same time, I intimated it would not long remain in that depressed state. My predictions are now verified, to my entire satisfaction; for, immediately on having a flush of water, to drive the wheel, our pumps were got to work, and, in less than three days, the pitmen were again busily engaged. On removing the remains of the course of waste that has cost us so much trouble, they came upon a beautiful even floor of slate, in quality far superior to any hitherto raised. The slabs are larger, thicker, and of finer texture; and so abundant, that we have not hands enough at hill to cleave and square up—they are busy sawing, planing, an

cup flourishing condition.

CUBERT SILVER-LEAD.—The lode in the eastern end, in the 35 fm. svel, is 1 ft. wide, yielding a little lead; in the western end, in this level, the ode is still large, from 2 to 3 ft. big, all saving work, but of coarse quality, orth about half a ton of lead ore in a fathom. In the 25 fm. level, going east, he lode in the second of soft spar, mixed with nundic and lead; in this level, direction of the second of the level was the lode is also gray kindly and the second of the level was the lode is also to for per fm. On the whole, we consider the levels a looking second of the second o

chay—Oct. 1.

We have erected our capstan shears and whim; in theel put is sunk 50 ft. deep, 60 ft. long, and 7ft. the ram, and the softness of the ground, we have spit, which has prevented the masons from laying a to do so shortly. We have all the stones cat, timber two have brought up a lobby to unwater the same, ft is secured, and the Two Brothers' adit is completed, aber-house all complete, and put all our buildings in tweather is favourable, we hope to get our wheel at and shortly after we hope to commence breaking timber on the mine to carry out all our operations, as well blete the same, except a faw fathoms for rods.—Oct. 6.

LE.—In giving you the result of my inspection of your in the first place, to notice the new lode, lately discongine shaft, now about 46 fms. deep, which was met up in the south and, and continued in the shaft for about som its underlie north, cut out at the north oud—the shaft mit, across, instead as is usual lengthways, with the lode yield, carrying a leader of good ore, mandic, and oreywest, tits general character I like much; and I am inclined

m it, across, instead as is usual lengthways, with the lode; wide, carrying a leader of good ore, mandle, and orey part, its general character I like much; and L am inclined it will increase in eize in depth, as I perceive the south wall is more than the earth-the work at surface broken from it looking well, it will increase in eize in depth, as I perceive the south wall is more than the earth-the work at surface broken from it looking well, it can be of she quality. The south leds, in old men's workings, I i am told that, in the 30 fm. level, there was a kindly lode list, as 30 fms. see, a cross cut, of about I7 fms., would cut it; and been required, as to at what depth it would be advisable to drive a lay, I see no olderlines tater, as, far as we can see that that have obeying of (say) 50 fms. This will give a back on the old lode of about we new lode underlies tater, as far as we can see it, that the old one will not collectively be so greaseners as at a greater depth, besides, the continued to the 60 fm. level, been cross-centing to the lodes, and then also be cut rich, or even other was, you must return to a shallow the continued to the 60 fm. level, been cross-centing to the lodes, and then also be cut rich, or even other was, you must return to a shallow of the continued to the 60 fm. level, been cross-centing to the lodes, and the major shall be also, is to see the lodes at not a greater depth than the 60 fm. level, artim now leds its near here us gramming at this doplit as. the water can be sufficiently as the season of the state of the consecution of the water of the lode, which is about 150 fm. south of the copper clode, considerable of using for a great length. In the castern part of your sett, a cross level like been lode with of the cross-corose at about 3 fms. deep, it main threate. The less large and productive its size is about 4 fm as least threate. The less large and productive its size is about 4 fm as least threate. The less large and productive its size is about 4 fm as least threate.

both this, as we is verified, as to rinder, and draw

stor; and I more by vish you every success I enticipate in the presention thereof— Jazu Hresmuss: Sept. 47.

EAST CROWNDALE.—The ground in our engine-shaft is rather harder to sink than when last reported on—having got into branches of spar; these branches contain ore of a rich quality; we have sunk, in the past week, 4 ft.; the shaft is now down 46 fms. 4 ft. In cutting plut, in the Risk Hill shaft, we have broken some excellent tinstuff; and are proceeding as expeditiously as possible to complete this job, in order to begin to sink; the ground in the adit level at Risk Hill, is not so speedy for driving as it has been; the lode is about 2 ft. wide, composed of peach, capel, mundic, spar, and spote of tin—a kindly lode indeed; our engine and pitwork are in good order.—Oct. 2.

EAST TAMAR CONSOLS.—The lode in the 60 fm. level, north from Har-rison's shaft, is 2 ft. wide, saving work; the lode in the 54 north is 20 in. wide, fluor-spar and ore, and very kindly. The lode in the 54 north is 20 in. wide, fluor-spar and ore—a very promising-looking lode. The lode in the 46 south is 20 in. wide, capel and spar, unproductive at present. The lode in the 46 south is 20 in. wide, composed of prisa, spar, and ore, good saving work. At Charlotte's, the lode in the shaft is 2 ft. wide, fluor-spar and ore, looking very kindly. The cele in the 11 fm. lovel is 18 in. wide, asving work.—Oct. 5. GADAIR.—We have out through the West Point lode, where the Hound's-

the nown in the snart is 2 it. wide, fluor-spar and ore, looking very kindly. The lede in the 11 fm. lovel is 18 in. wide, saving work.—Oct. 6.

GADAIR.—We have out through the West Point lode, where the Hound'scave lode is united with it, both being together about 5 fms. wide, and containing some copper ore. In cleaning up the lod shaft, which is looking very promising, we have raised some fine stones of copper. The adit end, in the sulphur lode, is looking well, and about 16 fms. further east the granite and killas meet; and the Fox lode forms a junction with the sulphur lode at the same place; and, no doubt, will produce large quantities of copper ore, which is usual when such union takes place, and favourable indications exist.—Oct. 6.

GREAT MICHELL CONSOLS.—The lode in the 35 fm. lovel, east of the engine-shaft, is still very large, full 7 ft. wide, and altogether improved in its general character, containing mundle, fluor-spar, with more ore, and ground somewhat easier of progress; in this level, west of the angine-shaft, the lode for the width of the end (5§ ft.) is carrying abundance of mundle, intermixed with ore, capel, and spar—a very promising lode; in the 35 fm. level, west of the sump winzs, the part of the lode now being carried is 8 ft. wide, consisting of mundle, spar, peach, capel, and ore, producing some saving work. The sumpmen have been engaged stoping down a piece of lode in the asst ond of the sump winzs for plat, near the present bottom, where it is 5 ft. wide.—3 ft. on the north part is a good orey lode, worth 201, per fm., apparently dipping west; the plat being completed, we have this day commenced sinking below the 35 fm. level, and find the ore holding down, with avery appearance of further improvement.—Oct. 5.

GREAT WHEAL MARTHA.—The lode in the 40 fm. level east is with-

the plat being completed, we have this day commoneed sinking below the 35 fm. level, and find the ore holding down, with every appearance of further improvement.—Oct. 5.

GREAT WHEAL MARTHA.—The lode in the 40 fm. level east is without any material alteration since last reported, with the exception of a vast increase of mundic; the strata, in the north side of the lode, consists of white decomposed killas, intermixed with fine mundic, clearly showing that the lode is passing through a country, from which favourable results may be anticipated in depth; the ground continues good for driving.—Oct. 2.

HEIGNSTON DOWN CONSOLS.—The lode in Bailey's engine-shaft is 5 ft. wide, composed of splendid gossan, spar, and tin, producing some good work, and very promising. The lode in the 20 fm. level west remains without alteration, producing a little tin; the 20 fm. level east is stopped, and the men put to sink a winze therein; the lode in the pitches, in the backs of the 20 fm. level, east and west, continue to yield good returns; the ground in Buddle's acit is favourable.—Oct. 6.

HOLMBUSH.—The ground in the diagonal shaft, sinking below the 120 fm. level, as still of that favourable charactems reported on; the lode in the 120 fm. level, as till of that favourable charactems reported on; the lode in the 120 fm. level, east of the great cross-course, is disordered by several small cross-courses. The lode in the 110 fm, level south is 2 ft. wide, composed of flookan, spar, and stones of lead; this level we are driving with all possible speed to get under the lead ground we have driven over in the bottom of the 100. The lode in the 100 fm. level south is 3 ft. wide, composed of spar and lead, worth 101. per fm.; the pitches in the back of this level are not as productive as they have been; but the ground is still yielding some very good lead ores, being taken away at a tribute of from 10s. to 12s. in the 11, on the value of the lead. The lode in the 100 fm. level south is 20 in. wide, composed of spar, flookan, and stones o

Wednesday, the 6th current. On the whole, our prospects are looking well; and I clearly see we shall be able to increase our returns.—Oct. 2.

LEWIS.—The sumpmen have sunk 6 ft. below the 60 fm. level, and are now preparing to fix bearers and cistern at that place. We find the lode aplit, and in a disordered state; the south course is 18 in. wide, producing a small partion of tim. The lode in the 60 end sat is 5 ft. wide, worth 12t. per fm., and very kindly; the ground in the south cross-cut, in the 60 fm. level, west of sump whim shaft, is now very favourable. The lode in the 50 cast is 4ft. wide, worth 6t, per fm. for tin, and very promising; the lode in the 50 cast is 4ft. wide, worth 6t, per fm. for tin, and very promising; the lode in the 30 cad cast is 23 ft. wide, composed of spar, mundle, peach, and brent, with some spots of tin. The lode in Pracel's shaft, sinking below the 20 fm. level, is 5 ft. wide, worth 5t per fm., with a very promising appearance. The tribute pitches, at the back of the 50, on south branch, are looking very well; we have 17 pitches now at work, at an average tribute of 6a 7d.—Oct. 2.

MENDIP HILLS.—The lode in the 38 fm. level, south of Stainsby's shaft, qontinues much the same as last reported on, composed of quartz, flookan, and particles of lead at times; the lode in the winze, sinking below this level, is greatly increased in size during the past week, and, on the whole, presenting more favourable indications than we have had for some time before—it now being over 4 ft. 6 in. wide, composed of soft lookan, whits spar, and strings of lead. In the slag department we have not done anything towards removing the top rubbieh from off the bede of slags since my last communication, as the whole of our surface force have been engaged in excavating the foundation for the engine-house—this, I am glad to inform you, is completed, and the masons busily engaged in laying in the brickwork for the bedd of the engine, the granding in the torkwork for the bedd of the engine, the granding in th

SOUTH TAMAR UNITED.—The plenger lift is fixed in the 80 fm. level, the water in fork, and the engine working extremely well; the shaftmen are engaged in completing the dividings, casings, and footway, to make it secure for dropping our next lift under the said level. We shall commence clearing the 80 south to-morrow.—Oct. 5.

for dropping our next lift under the said level. We shall commence clearing the 80 south to-morrow.—Oct. 5.

SOUTH WHEAL TRELAWNEY.—Snell's engine-shaft is in course of sinking with nine men, down 18 fms. under the adit; ground favourable; water just the same as last mentioned.—Oct. 4.

TRELEGH CONSOLS.—Christoe's shaft, below the 110 fm. level, is sinking in the country 8 ft. below the 110 fm. level; in the 110, east of ditto, the lode is small; in the end we are driving south in search of more lode; in the 110, west of ditto, we are driving north-west on the cross-course to cut the lode, west of the heave. In the 100, east of Garden's, the lode is about 8 ft. wide, producing stones of ore, with a more promising appearance; in the 100, west of ditto, the lode is 16 in. wide, preducing about one ton per fathem, worth 5d. per ton. In the 80, west of ditto, the lode is 18 fs. wide, worth 30d. per fm.; in the rise, above the 80 west, the lode is 2 ft. wide, worth 30d. per fm.; in the rise, above the 80 west, the lode is 2 ft. wide, worth 30d. per fm.; in the rise, above the 70, west of ditta, the lode is 2 ft. wide, and has rather a promising appearance; but not much ora. In the 60, west of ditte, the lode is 3 ft. wide, south part oray; it will produce one ton per fm., af low quality. The adit east, on Wheal Parent lode, is 2 ft. wide, with stones of ore, of a very kindly nature, but not sufficient to value; in the new step. for Wheal Parent lode, the ground is much as usual—it is now 8 fm. in the 30 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lode in the 30 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lode in the 30 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lode in the 30 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lode in the 30 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lode in the 30 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lode in 16 fm. level.—In the 67 fm. les covers, on Wheal Jewel lode, the lo

chaft, on the same lock, the today is law. When with a more promass preance for tim Lam. It has been to the control works worth 12 per failsom—drow,
locks 15 in, wide, producing stores of tim—drove 2 fms. 2 ft. In the stopes, in
the bottom of the selli, once of Proye's when 3 ft. In the stopes, in
the bottom of the 12 fm. free, ast of Guarry alah, on the same lock, we was
intered to drive south to out the south both—Oct. 4.

WEST WHESA LMEAL—In the eastern engine-shaft he does a boot
3 ft. wide, producing good atones of ore, with every indication of further improvement. We have sunk of the under the 200 fm. level; and, in this level, we
39 fms.; the lock is this level; in from 9 to 0 ft. wide, producing good atones of
ore—a most promiting-locking lock as cast he seen, and ground favourable
for driving here; I would recommend driving in this level, with favor-mon,
at these in a long piece of ground tasses of ore; in places. It the 6 fm. level;
and the seen of the seen of the seen of the seen of the seen of
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tion.—Oct. 2.

WHEAL MARY ANN.—Barratt's shaft is sunk 10 ft. under the 30 fathom level; the lode is 15 ft. wide, and worth 10!. per fm. The lode in the 30 fathom level, south of Barratt's shaft, is as was last reported. The 15 fm. level is holed to Pollard's shaft, and the men are now citting a plat at that level, which will be completed by to-morrow evening, after which they will commence to drive south on the lode. The stopes are looking well. Pollard's shaftmen have divided the shaft, and are now cutting bearer holes, putting in bearer, cistern, &c., so as to sink the shaft under the 15 fm. level with all possible dispatch.—Oct. 4.

WHEAL TRELAWNEY.—The men in Phillips's shaft are changing pitches.

WHEAL TRELAWNEY.—The men in Phillips's shaft are changing pitwork, putting in rods, &c., preparatory to sinking under the 52 fm. level. The 52 end south is worth 101 per fm.; this level, north, is worth 181 per fm. The jode in the 42 end south is large, and worth 61, per fm.; the same level, north, is worth 91, per fm.; we have commenced sinking a winze under this level, where the lode is large; and worth 101 per fm.; the stopes, in the back of this level are all ittle improved. The lode in the 32 and north is 1 ft. wide, composed of can and lead, and worth 81, per fm.; the stopes, in back of this level, are looking well. We are again obliged to suspend sinking the winze under the 22 fm. level, in consequenced water. Tralawney shaft is progressing much as usual; and I cannot speak of any change in the 22 cross-est east. At Vivian's shaft, the lode in the 20 end north is 1 ft. wide, camposed of gossen, with stones of lead disseminated throughout; in sinking the winze, under this level, the lode is large, and worth 61, per fm.; the lode in back of this level is not so good as last reported, but still producing some good as —Oct. 3.

We are giad to receive such encouraging reports from the Barbara, Cascade, and Gadair Mines—all connected with the British Mining-offices. This shows that the mines have been selected with good judgment, and that the results are likely to preve highly satisfactory. The Lydford Castle Mine has also been brought out at the same offices; and several tons of silver-lead ore have alverady hear raised.

WHILL BERTH.—We learn that an improvement that taken place in this mine—a lode of tin having been cut into m the cross-cut Sim., but the apporaise wall was not seen on Monday.

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piece of much i varas Pablo-Sant the woo kartons of genera Acost weeks, mains i two mo outlet forem reaching the Acost resus Enrique and ducing a ducing a ducing a water.

BOREIGN MINES.

LTEN MINES.—The follow.	ing is the estim	nated produce for	the month of August
Minor.	No. of man	Tons bre. Pe	ret. Tons copper.
Ramas		94	D1 D'40
United Mines	18	50	6 3'80
Ryper's		12	6 0:72
Mancur's	4	4	\$ 0-20
Michell's as converse		rain 48 acresies	6 0.90
Old Wine	8	9	6 0.54
Wiland's	2	2	7 0-14
Carl Johan's	9	succe discounts :	7 0.28
Church		2	5 0.10
Citation III	District Annual Property	NO THE PERSONS NO	processor seems to live to
to 12 minutes on Philipping of	0.0	100	11:00

Mining Report from Asy, 36 to Sept. 14.—Resignes—The favourable indications aliaded to any last report, still continue to hold out hopes of permanency in the desper levels; and, notwithstanding some trifing fluctuations in the produce of the several lodes are equally flattering, and the produce of this month as not experienced the falling off which had been anticipated. Labouchere's lode yields a usual good returns, but on Carris, the workings have been asspended, until shart for 1 as to communicate with the stopes, for the purpose of emptying the water, and searing the bargains, at less expense than at present. The purspect of Carris workings a equally fareurable; and after communicating them with the shart, about the end of in month, we hope to resume them, with the usual good success. The surface stope has cen less productive, and a prevalence of rainy weather has latterly obstracted our operations, both in the mines and at the surface. The returns to the smetting-house are also attisfactory; and I have not the least doubt that the result of our summer operations will fully equal your expectations.

ristions, both in the mines and at the auriace. The returns to the encounterment authatory; and I have not the least doubt that the result of aur aummer operations will inlive equal your expectations.

United Mines.—The usual relations on Ward's lode continue equally promising and productive. At woodfall's, the tributers have resumed their work, and we hope to increase their number, as the winter sets in. By references to the list of settings for September, it will be precised, that we propose making another trial on Heakin's lode, on tribute, and the price per tone offered the workmen, will attend to explore, whilst, at the same time, it will leave a fair profit to the association.

Reper's—The stopes on the cross lode have somewhat deteriorated, but the new lodes centime to held out good prespects, and are making fair returns of ore, of superior quality.

Mancur's continues as least are still confined to the tribute pitches and at the heaps. A macur's continues as least as a still confined to the tribute pitches and at the heaps. A superior of whem altitude provides and the respectation triver's bargains, before the superiors of the maculity of workmen.

Old Mine.—The thirdsee results are consuling the exploratory turvork bargains, before the superiors, Carl I don't held the consulting operations, at the end of this mosth.

Old Mine.—The thirdsee results are profitable. In addition to the recent discoveries, and the prospects continue good.

Wilson's, Carl I don't he continues are profitable. In addition to the recent discoveries, and the substitute of the same about two miles of the ear.

The run of the secondanced recture of a summer for the workmen; but I far the near approach of where or manced specing a summer for the workmen; but I far the near approach of which we commenced recture of a summer for the workmen; but I far the near approach of white a will preclude the possibility of exploring the lode to any extent, both on the recent and the proper syrtes, and within advanced and accross of the firm is

of the mountain; and I still hope to be able to collect a small parcal, as a trial for smolting in the winter. In the meantine, the necessary lawful steps have been taken to accurate this property to the association.

Bolanos Mines. — August 13.—Et. Bors. Mine: Since my last communication to you, dated 17th uit., I beg to state, that our progress in San Genaro shaft has been somewhat refarded, in consequence of a part of the month being taken up in timbering the shaft, and also in opening the cross-cut of San Jose. However, the timbering the shaft, and also in opening the cross-cut of San Jose. However, the timbering if an all propose to sink 10 varas for a sump prior to our again driving the cross-cut; sand I propose to sink 10 varas for a sump prior to our again driving the cross-cut towards the vein. In Gnaddiupe cut, little or no alteration has taken place during the month; the vein self holds good, and meantains the former with, which is about 5 varas. In consequence of timadhupe west-continuing poor, it has been discontinued for a short time, and a cross-cut north has been commenced, in search of more velin-and, up to date, has been driven about 7 varas. We have found several strings, or branches, of the vein discentinated in the slate, but nothing of note has, as yet, been discovered. In the Foac de Guis the ort improves as we go in adepth, although but little has been sunk during the smonth—the strate being employed in cutting down er widealing the wince, which is now about 8 varas by 6. At the depth of 10 varas in this poze, I propose to drive a level cast, with a view to drain the level of Gnatishupe to this depth. In the planes No. i and 2, the ore continues very good; and lay way of concentrating shills water to the Foac de Guis, which we intund to host out by means of a sand-pump, we are driving through the pilars at the depth of 10 varas, with the intention of forming an intermediate level at this depth. The upper end of San Antonio, as reported in my last, continues in good ore.

August 17.—The u

Total b 23 2 4 0

PACHUCA MINES.—August 28.—The lode in San Guillerino start is again producing stones of good ore, and is altogisher looking more promising than hitherto. The 50 var level cross-crut has been driven 18 varsa through a strong promising iole, without reach the sorth wall. It appears that the Esperanza lode is entering San Pedro shaft—consequently the north sade is rather soft. The San Pedro lode is in the south, or toot-wall shout a vars off the shaft, and will be examined hereafter by means of a cross-cut, if required, as the point of junction of this lode, and the Esperanza.

Belance of costs, July (five weeks), \$290.

The state of costs of junction of this lode, and the Esperanza.

Behave of costs, July (five weeks), \$200.

REAL DEL MONTE MINES.—Mineral del Monte, August.—Linvo attentively read the report made at the annual meeting, held on the 17th June; and while I regret the feeling of disappointment which you state was felt by all concerned, I begrespectfully to remark, that the circumstances which canaed the unfavourable results in the present year, were such as could not have been forescen, nor provided for. You will have seen, by any subsequent letters, that I did not heestate to take prompt measures to avoid, as far year, were such as could seen house on, nor provided for. You will have seen, by any subsequent letters, that I did not heestate to take prompt measures to avoid, as far year, were such as could seen the making of Dolores perpendicular anist has been in-terrupted, owing to the increase of water, just as it had reached within two varas of the 216 vara level—at which depth we proposed, as noticed in former letters, to extend a lavel west on the Biscains vein, to drain the planes of San Pable and Enrique; also north, some the Santa Brigida, to drain the workings below the San Andree level; also angine is at present working nine strokes, and delivering at the adit 1400 gallons of water per minate. It is to be feared, therefore, that, until a portion of this water he alacine of by outting the Santa Brigida, therefore, that, until a portion of this water he alacine of by outting the Santa Brigida, the regret of the santa had not be able to reason the sinking. This is a much to be regretted, as the lode in the bottom of the San Andres north, on the Santa Brigida, is producing good ore; but cannot be worked that which, one vara only remains to be santa free and the santa

You will notice, by the tutwork let for July, that a level has been commenced, driving east from San Cayetano, past the tap of the diagonal shaft, on the Biscaina vein, which atthough producing little ore, has a very promising appearance; and is exploring a large piece of whole ground in the vicinity of La Joya, where formerly, in the upper workings, much rich ores were found. At Thereos, the water is still sinking, and is now about 14 varas below the Avladero level, which is, doubtless, drained by the sinking of the San Pablo wire, near San Cayetano.

Santa: Inse.—In consequence of the additional reduction power acquired at Sanchez, the working of this mine has been resumed, the preduce from which, added to the Rosario, will, I expect, furnish the hacienda with full supply.

Rosario.—At this mine we have also resumed operations, and expect to increase the reduction, will, I expect, furnish the hacienda with full supply.

Rosario.—At this mine we have also resumed operations, and expect to increase the reduction of azogue, although, of late, there has been a searcity of workmen. The labores in general are looking pretty well.

Souta.—The progress of San Enrique level, cast of San Pedro, during the last three weeks, was only "4 varas, although nine near were employed in it, and there still romains 12 varas to reach the Santa Brigida vein, which we uxpect will be completed in two months, as the ground generally secones saffers near the vein. Since the water has so much increased at Dolores, it has much diminished at Acceta; and eve have, therefore, as mich increased at Dolores, it has much diminished at Acceta; and even have, therefore, as an experiment of resume the einking of San Pedro and, which is a very important work, as a frictum stances permit the srection of the new engine, it will be so much time away in the Acceta vein, has been suspended, owing to the large quantity of water. The lode in this winne is a very premising one, and will probably, producing acogue, with a small quantity of s

* This letter of the 3d August, from Bananal, is not yet received.
† See Mr. Henwood's letter, dated Bananal 18th July 1847.

In the laborse above the Aviadore, on the Santa Srigida and Acosta veins, there is thing descrining particular notice.

Afforms—I noticed in my, last, that we had determined on availing considered in the formal control of the ground left day in the bottom of the Experimes level; we soon, however, wate of the ground left day in the bottom of the Experimes level; we soon, however, wate of the object of the state of the workings below the Old Dolores bottoms, west self storm shock, about 30 varies in larget supply of smelting ore, provided we are not hindared by the water. The raisings roun this mine, in the last four weeks, were 584 cargas of acogue, and 339 cargas of best ores. The average mine assay of the acogue is about 16 mes, per monton, and the smolling over from 160 to 120 mes. The total raisings of over from the mines in the first three weeks of the present month were 4361 cargas of acogue, and 435 cargas of best over-total, 4714 cargas. The rotatus for July were only 36 here of silver, which was owing to the want of quickether for the patie, and to the then scarcity of smelting ore. In consequence of the increased quantity of amelting over, the result, this month, will be more favourable fram was expected. By the estimate of costs and returns, a loss of \$1100 was anticipated, whereas we now expect a profit of, at least, \$15,000, in addition to an increased stock of similing ore at Regis, which will some in next month. The returns, this month, will be about 89 bars.

UNITED MEXICAN MINES.—Guovaruate, August 23.—Mine of Rayas, ceasion, I have to report a further small diminution in the produce of this moned by the falling off in the workings of San Caystano; while that of Santo UNITED MEXICAN MINES.—Guenceratte, August 23.—Miss of Rajaz.—On thisocasion, I have to report a further small distinction in the produce of this mine, occasioned by the falling off in the workings of San Cayesano; while that of Santo Tortéo Is, on the other hand; presenting a more faveurable appearance. Another vein of ore is now in sight in this working, which beis fair to make some addition to the produce of the mine, though apparently, not of high ley. In no other point is there may alteration. The water has continued to rise in the mine ever since my last, so that there is now no hope of its being reduced to the shaft during the present year. I enclose Mr. Gtennie's report to the 22d inst. Amescedits the comparative statement of produce and outlay for the last Sour weeks—the half sales on account with buscones again showing a small increase:—

Ca. 79 5130 4 0 51,748 7 7

Decrease. Increase. Increase.

Quickeleer.—Since my last I have recoived eight flavks more from San Luis, in we petition of my order for 66 bottles. I learn, with great satisfaction, that the Revice better 15 bottles; they will not arrive in Guanaxuato in time to prevent further purchabut I do hope so receive them sufficiently early to render further stoppages of the clondas unnecessary, from want of this indispensable article.—W. HEATH.

ms 480 bettles; they will not arrive in Guanaxuato in time to prevent further purchases, but 4 do hope so receive them sufficiently early to render further stoppages of the inciendas unnecessary, from want of this indispensable article.—W. Hearn.

**Report on the State of the Workings of the Mine of Rapics,

**Aug. 22.—La Purision.—No variation has been made in the system of work hitherto pursued on this side of the mine. The extraction of ore is inconsiderable.

**Sun Invessor.—The produce of these old workings has fallen off, both in the quantity and quality of the ores now nest with: for, silhough these are found against the upper part of the lode, which affords a certain facility for throwing them down, still they are only net with in bunches, which prove very inconstant; and even these have to be searched for over rather an extensive surface. The ore thrown down from the reof of San Juan is of fair quality, and a slight improvement has been observed in his point during the last week. From Santa Martha, a manit portion of common ore is occasionally extracted. At the commencement of the pit of San Pic, immediately above the old piles of Los Reyes, some man are show at work, throwing down some ore of good quality, which assist in making up the present produce of the mine. Nine pairs of barmen are employed by day, and an equal number by sight.

San Cagetano.—The point on the north-west side of the Pozo Grande, is yielding a small quantity of common ore. From the opposite side, and on the border of the pit of La Luz, a small portion of fair ore has been extracted. No progress has been matic in raising the dry walls.

San Mayele.—The point on the north-west side of the Pozo Grande, is yielding a small partition of fair ore has been extracted. No progress has been matic in raising the dry walls.

San Mayele.—The point on the north-west side of the Pozo Grande, is yielding a small portion of fair ore has been extracted. No progress has been made in raising the dry walls.

Sania Cecitia.—In four wee

* TRELEIGH CONSOLIDATED MINING COMPANY.

The annual general meeting of shareholders was held at the offices, Old Broad-street, on Wednesday, the 6th instant.

G. B. Carr, Esq., in the chair.

The Charkman having read the notice convening the meeting, Mr. Nicholson (the accretary) read the following directors' report:—

The CHARRMAN having read the notice convening the meeting, Mr. Nicholson (the secretary) read the following directors' report:—
As so short a period has shaped since your directors had the pleasure of meeting you, it will necessarily occur to you, that they have not much to communicate in the way of information beyond what is contained in the weaklyreports. A report will be read to you from the manager, in reference to our future prospects. The most estimatory evidence which can be adduced of the progressive increase in the returns from the min will be found in a comparison of the produce of expanditure during the first, with those of the last, six months of the year. In the first six months, 10, 4881, 138, 40,, at a cost of 6902, 48, 36. The points, which mainly contributed to the increased returns, were the 90 and 90 fm. levels, at Garden's, but more especially in driving the former lavel east, where a fise centre of crown sideovered, and of a very high standard. The ore in the back of this level is all standing, and can be taken away at a low tribute. Good Fortner.—This mine has been suspended, and the pittowic drawn up; it was not without reluctance that your directors decided upon this alternation, but the continued poverty of the lode which had been opened upon to some extent in several of the lovels, and the utter hopelessness of any improvement, determined them to discontinue all further openitories in that gearter, whereby aconsiderable monthly-saving has been effected. Your divectors refer with satisfaction to the financial statement for the past year, which will be laid before you. After the payment of two dividends of 5 per cent. each on the paid-up capital, and appropriating 3004, towards a reserved fund, and duly providing for all liabilities, there remains a surplus of 31004, for which your directors propose to make a third dividend of 6s. per alure, payable on Monday, Oct. 11. The continued deprecation in the standard for copper—the proximate cause of mining on the 30th urt.

The statement of accounts was as followed	ows:-	1,960,93		
By balance	To mine costs Bills Dues Dividend Reserve fund Law Salaries, &c. Auditors Rent and sundries Balance—bills and cash	2940 1187 2886 300 85 308 5	17 0 0 5 6 5 14	10 0 7 8 0 6

Total£19,248 5 4

The statement of assets and Labilities was as follows:—Assets, 47581, 6s. 4d.; liabilities, 16981, 3s. 9d.—being in favour of the company to the amount of 31491, 3s. 4d.

Trelega Consols, Qc. 5.—Although it may be expected of me to send you a report of this mine, I can add very little to the weekly reports. By the suspension of Wheal Maria engine and Good Fortune department, we have reduced our expenses; but I am stry to easy that autisevels of late, east of Christoe's shaft, have been poor; still our pitches are likely to produce a fair quantity of ore for several months to come, and, by that time, we expect to see the lode in the 130, which will, in a great measure, decide the fate of this part of the mine. **Garden's shaft.**—Our levels in this department have been, and are now, very encouraging, though not so productive as the 80 east was, still as we explore we are gradually opening tribute ground, and expect to rake a fair quantity of ore. Our 100 fm. level, as Gardon's has rather disarrectived as the second being disorders the second series of the order of the control of the control

generating, though not so productive as the 50 east was, still as we explore we are gradually opening intrinse greand, and expect to raise a kin quantity of ore. Our 100 min level, at Gardonis, has rather disappointed as, the ground being disordered by an elvan interest and the season of the control of the castern end in the last few days, and I may aid, daily improving. The north lodes, and, participarly, Wheal Parent, have a very invourable appearance, and is very much. In the last few days, and I may aid, daily improving. The north lodes, and, participarly, wheal Parent, have a very syourable appearance, and it expect, after being further explored, will be a source of profit to us. I regret the low standard for copper ore, and beg to safe that there is no alteration since Seturally.

A question arose as to the suggestion in the directors' and Capt. Richard's reperts, as to the policy of taking only from the reserves of ore in sight, during the present depreciation of the standard, as would cover the mouthly cost—the discussion on which concluded by the directors assuring the meeting that it was merely a suggestion, in case such a cettre should be deemed necessary, to save the property of the company; they would be much more happy to be enabled to continue their present course, and pay regular dividends.—The report and accounts were then received and adopted ananimously.

The Charaman then called the attention of the meeting to those shares which were in arrear, and had been declared foreleted, and which they had promised the proprieters they would not readult without good cause shown. He read a letter on the subject of 70 strares belonging to Dr. Maramall, which were in this position, clearly showing that it had been an act of inadvertence of the participant of the position, clearly showing that it had been an act of inadvertence of the proprieters, and affect of 70 strares belonging to Dr. Maramall, which were in the position, clearly showing that it had been an act of inadvertence of the proprieters, and t

GREAT WHEAL MARTHA MINING COMPANY.

GREAT WHEAT MARTHA MINING COMPANY.

A special general meeting of shareholders was held at the offices, Winchester-house, on Wednesday, the 6th instant.

Mr. Colle (the secretary) having read the notice convening the meeting, proceeded with the minutes of the last meeting, when Mr. Muschuson observed, that there was an inaccuracy in stating that the resolution, as to winding up the affairs of the present company, was carried ananimously—linamuch as he stated at the time, that he took no part either way in it; and he begged now to repeat that statement—Considerable conversation ensued on the subject of these observations, as it did not appear to be within the receilection of any of the parties present that auch an occurrence had taken place; it was, however, considered that the resolution, having been curried by a majority of the proprietors present, was sufficient for the purpose intended; when the Oldanusian proceeded to the business of the day, by stating, that he regretted to say that, up to the present time, only about 1200 shares, out of the 2000, to form the new company, had been subscribed for; and he, therefore, considered they had but one course to pursue, in compliance with the resolutions passed at the last meeting—and that was, to pass a resolution empowering the directors to proceed to the disposal of the property, either by public also or private contract, as they might consider best for the interest of the proprietors generally.—This led to a general conversation amongst the proprietors present—who, we regret to say, formed but a small portion of the general body—who, one and all, appeared to entertain the highest opinion of the value of the mine, at a greater depth; in confirmation of which, Mr. Muncuston produced the Mising Journal of last Saturday, containing a communication on the subject, by (he assured the meeting) a precician miner of the first eminence, although he was not at liberty to mention his name.—Many suggestions were submitted to get over the difficulty they had found in obtaining

WEST WHEAL SETON MINING COMPANY.

WEST WHEAL SETON MINING COMPANY.

At a meeting of adventurers, held at the mine, on the 21st September, the accounts for June, July, and August were produced, showing—Tutwork and wages for June, 308! 1s. 1d.; for July, 169! 12s. 10d.; for August, 107! 19s.—585l. 12s. 11d.—Merchante' bills, 285l. 12s. 2d.; materials, 78l. 17s. 11d.; balance against adventurers to end of May, 718l. 1s. 11d.—1668l. 4s. 11d.—By call made, June 29th, 1200l., leaves book in debt, 468l. 4s. 11d. A call of 5l. per share was made.—It having been suggested that the shares in the mine should be further subdivided, it was resolved, "That the present division of shares into 200ths ought to be preserved; and that no share less than 1-200th shall be transferred in the cost-book."—The following report, from Capt. John Lean, was read to the meeting.—" Since our last meeting, on the 29th of June, our horizontal rods are set to work on the north shaft, and the shaft sunk pfins. below the adit level by six men at 9l. per fin.; the lode is 4 ft. wide, with a leading part on the south wall—2 ft. of which is composed of light spar and mundic, with sprinkling of capper ore. There are six men engaged in driving the adit south from the north lode, on the cross-course, at 50s. per fin.; since which, we have intersected some branches of spar and mundic underlaying north—this level is extended from the lode 29 fms. The engine-shaft is under the adit 18½ fms.; ground rather stiffer, with an increase of water from the south part of the shaft; there are six men driving the adit level west from the south part of the shaft; there are six men driving the adit level west from the shaft is all the shaft; there are six men driving the adit level west from the shaft is suite fine and the shaft; the lode is 8 ft. wide, composed of capel, blind mundic, with stones of copper ore—six men at 9l. per fin. The 18 fm. level is extended 18 fms. west of the shaft, the lode is 8 ft. wide, composed of capel, blind mundic, with stones of opper ore—six men at 9l. per fin.; lode 4

WHEAL BLENCOWE MINING COMPANY.

where the prospects are very encouraging."

WHEAL BLENCOWE MINING COMPANY.

A meeting of adventurers was held at the mine, on Tuesday, the 28th Sept., when the accounts were produced, showing:—Balance due to purser at last meeting, 605.; cost for June, 1922. 2s. 2t.; July, 1682. 2s. 5d.; Ang., 1162. 7s. 10d.; merchants' and other bills, 912. 3s. 1d. = 11732. 15s. 6d.—By sale of tin (least 912. 1s. 2s. 1d. = 11732. 15s. 6d.—By sale of tin (least 912. 1s. 2s. 1d. = 11732. 15s. 6d.—By sale of tin (least 912. 1s. 2s. 1d. = 11732. 15s. 6d.—By sale of tin (least 912. 1s. 2s. 1d. = 11732. 15s. 6d.—By sale of tin (least 912. 1s. 2s. 1d. = 11732. 15s. 6d.—By sale of tin (least 912. 1s. 2s. 1d. = 11732. 1s. 6d. = 11832. 1s. 6d. = 11832.

WHEAL CONCORD MINING COMPANY.

WHEAL CONCORD MINING COMPANY.

A special meeting of shareholders was held at the offices, King-street, Chisapside, on Tuesday, the 5th inst. The usual preliminaries having been gone through, the attention of the streeholders was directed to the present position of the company, and the late transactions on the mine. A very strong feeling was manifested, on its being represented that an application had been made to the purser for a statement of accounts and often necessary documents required to be laid before the meeting, and to which no reply had been given. The meeting was, therefore, precladed from adapting those measures which were deemed so argent, for the purpose of immediately discharging the liabilities of the shareholders, as well as releasing certain members of the committee from personal responsibility, which their neal for the estation of the strainty had been now in arrear of calls, requesting them to pay the same forthwith to the burkers of the company, and also with a view of ascertaining what shareholders, if any

ave paid their calls to the purser, or to any other party authorised by him to

BUDNICK CONSOLA. A meeting of adventurers was held at the accordance on Monday last, when the accounts for July and August, as followers passed:—Balance at the end of June, 485l. 0s. 8d.; coats, 1388l. 17s. = 1823l. 17a. 10d.—By ores sold (less dues), 1690l. 17a.; balance against nine, 183l. 9a. 10d.

were passed:—Datance at the end of Julie, 2002. Co. Co.; Co. Co.; Co. J. 1982. Tar. 2d. —

1623. Ta. 10d. — Dy ores sold (less dues), 1690. 17a.: balance against the mine, 133. On 10d.

Coomes Valley Slate Company.—At the quarterly meeting of shareholders, held at the Reading Rooms, Coggeshall, Essex,—Mr. Brand in the chair,—the accounts to the 31st August were presented, showing balance in favour of the company of 631. 9a. 3d.—The accounts were examined and passed, and the secretary directed to make immediate arrangements for taking a lease of the Crackington Harbour, and the several quarries belonging thereto; the All-abard Quarry, adjoining the Crackington Harbour, &c.—That Coombe Valley Quarry, now the freehold of the company, be let on tribute to the quarry may all the available stock of slate on the quarry to be shipped for London at the earliest opportunity.—A vote of thanks was then passed to the gentlemen forming the committee of management, &c., for the past half-year.—[A report from the quarry appears among our "Mining Correspondence."]

Tavy Coxsols.—The bi-monthly meeting was held on Tuesday last, at the Central Hall, Plymouth, when it appeared, from the statement of accounts, that there was due on forfeited shares, 211. 16a.; July costs, 258. 13a. 6d.; August ditto, 2111. 5a. 8d.; dues on ores, 33. 5a. 2d.; merchants' accounts, 224. 19a. 1d.—749. 19a. 5d.—On the credit side, there was a balance by last account of 3011. 11a.; cash for ore, 2911. 19a. 3d.—He was a balance by last account of 3011. 11a.; cash for ore, 2911. 19a. 3d.—he was a balance by last account of 3011. 11a.; cash for ore, 2911. 19a. 3d.—he hould sample about 130 tons of copper ore, worth nearly 4002; and it was resolved, that a call of 5a. per share should be made.—Mrs. Finlay's five shares, which had been forfeited, were restored, as Caps. Amos proved that he had authority to pay them, and had promised to do so, but had forgotten it.

WHEAL SARAH MINING COMPANY.—A meeting of adventurers was held at the offices, George-vard, Lomb

and had promised to do so, but had forgotten it.

WHEAL SARAH MINING COMPANY.—A meeting of adventurers was held at
the offices, George-yard, Lombard-street, on Thursday, the 30th Sept.—Thomas
Fleld, Esq., in the chair.—The statement of accounts presented showed an expenditure, for nine months (from January to September), of 2471 15s. 6d—leaving a balance due to the treasurer of 57l. 1s. 4d., in addition to unpaid calls.
The accounts, as submitted, were received, and passed; and a call of 10s. per
share made, payable forthwith.

MEXICAN AND SOUTH AMERICAN COMPANY.

Sin,—The directors of this company, after a cessation of paying dividends for nearly two years, have made a call of 11 per share, payable on the 26th inst—aud this in face of the present disastrous money panic—to prosecutia some new discovery, of which, I think, the public have seen enough, and also received a severe lesson. The company make it a rule, it is understood, never to publish any accounts; and this course of proceeding is a most improper act on the part of the directors—for there are, evidently, some proceedings they wish to keep from the body of shareholders. It has been ascertained as a fact, that the directors have advanced her money, to a large amount, on the security of Mexican bonds, at the highest price. This, it is believed, forms the true reason for the call to replace the amount lost by this improper investment. On referring to the terms of the prospectus of the company, it appears, beyond doubt, that the directors were perfectly unauthorised to enter into such a transaction, and the shareholders are samestly recommended to convene a public meeting, to protest against the proceedings of the company. The directors, having acted contrary to the terms of the prospectus, have rendered all their acts illegal; and the shareholders can recover back their deposits of 7t. per share, by taking proceedings against the directors.

A SHAREHOLDER.

MINE CAVERNS. MEXICAN AND SOUTH AMERICAN COMPANY.

London, Oct. 5.

MINE CAVERNS.

Sir.—I observe, in one of the mine reports, that a cavern has been cut into, and converted into a whim-plat. A description of such places, with transverse lame sections, showing their peculiar forms, and the nature of their internal arraces, would be very interesting; and will, doubtless, be furnished by some fyour contributors. Could not the captain or purser contribute their mite to be general interest of your Journal?—A. T. J. MARTIN: Penzance, Sept. 27.

We have pleasure in referring to the advices received from the Alten Mines, which are of a very satisfactory character. The estimated produce continues to improve; and we understand that the returns in copper to the smelting-house, from April to May, inclusive, have exceeded the estimates by nearly 10 tons of copper. A shipment of copper about 35 tons) is now on the way to this country. The improved state of the mines will, it is expected, make good the deficiency in the produce of last winter.

good the deficiency in the produce of last winter.

WHEAL ANNA MARIA.—In another column will be found an extract from the Western Luminary, relative to this mine, from which it appears, that the indications are highly promising. We have received a few particulars from an Exeter correspondent, in which he states, that the deeper they get the better are the appearances. The first meeting of the committee of management takes place on Monday, after which we hope to receive the reports regularly. It is expected they will then go to work in earnest, by putting up an engine and other necessary erections and machinery for working the mine in a spirited manner; and the general opinion is, that most advantageous results will follow.

MINING NOTABILIA.

MINING NOTABILIA.

[EXTACTS FROM OCH CORRESPONDENCE.]

CALLERGYON MINE.—The Kelly Bray lode is producing a great deal of copper, but not rich in quality, as the mundic is too strong for the copper yet, which prevents it from bringing a high price. However, this is a most favourable feature, and worthy of notice; for "mandic rides a good horse," and that rich mines in the west of Cornwall, as well as the eastern district, are generally found to produce similar indications at shallow levels. I have not a doubt on my mind that, in the next level, one ton will be of more value than two tons at the present depth. The floors are full, having a good pile of saving work; and many hands are employed dressing.

COATLITHE HILLS.—The general appearance of the leader of lead is very favourable, and it is fully expected that before long it will be more productive than it has been yet. Preparations are being made for dressing a small parcel of lead, which will be ready for sale next week.

EAST ALVENMEY.—The prospects here continue very encouraging. The tin

of lead, which will be ready for sale next week.

EAST ALVENNEY.—The prospects here continue very encouraging. The fin tode, which they cut on Iuesday last, in sinking the shaft, is estimated worth from 504 to 606, per fm. in sight; they are also breaking, from the same lode, some very good stones of copper.

Kirkcuddrightshirk Mining Company.—A valuable tract of mining country having been granted to this company by the Earl of Galloway, a meeting will be held on Tuesday next, to decide upon the method of working it. The setts subtrace upwards of 80 square miles, not in one particular spot; lead yielding 00 cas. of silver to the ton has been found, and here the first trial will be made, by sinking a shaft on the intersection of the lode; to do this, it will not take more than 2006 in money, and about six months' time. The shares are already no great demand at a premium.

North Wheal Camel.—I have received the enclosed report of North Wheal

no great demand at a premium.

North Wheal Camel.—I have received the enclosed report of North Wheal Camel, and beg that you will insert it is your next Journal, together with the further information herein contained:—"North Wheal Camel Mine, Sept. 28—Since the last two-monthly meeting, 10 fms. 4ft. have been driven in the 26 fm. level; the lode, for the last 5 fms. has very much improved, averaging, about 18 in. in width, and is, in its general character, a very promising lode, containing mundic, capel, spar, and in places rich apots of copper ove; the ground is also much easier of progress, and the end is now being driven at 3f. per fathom."—No doubt many of the shareholders have, from time to time, seen reports by captains and agents of andoubted judgment and veracity of the prospects presented at different times in Great Michill Consols Mine, from which reports, and the flattering appearances of the lodes throughout this sett, and running, as the same do, into its neighbour, North Wheal Camel, the-inter company have worked with unabated vigour, to claim a position of having a good dividend-paying mine, and it is highly gratifying to those interested in the respective workings, to hear that, within the last few days, a lode was cut in Michell "extended to the proper of the captain's expression" in the is a warre of it in Camel as he is in Michell "extended to the captain's expression" in the interest of the lost of the proper of th

spective workings, to hear that, within the last few days, a lode was cut in Michell Censols, 7fl. hig, and worth 40L per fmr., which lode (using the captain's expression) "he is as sere of it in Canel as he is in Michell "--thus, by the above, it seven proves that, ere long, their claims will be realised.—Venkand: Ground here much more favourable.—Linkeard Duchy Consols: Water forked, shaft cleaned up, and commenced sinking; ground in the bottom much more favourable; a very good killes, and lode improving very fast; will nearly pay the whole working at present.—D.

POLARTHI CONSOLE.—They are progressing favourably in sinking the shaft, which is at present the principal underground operations; the tributers are getting on very well. Arrangements are making for the removal of the engine from Wheal Ryalton, which will be on the mine in the course of a few days from this time; as there is but little water, it was thought that this engine, which is a 17-in, cylinder, would put the shaft down to about 40 fms. below the said, and will prove useful for a crusher, &c., should the mine warrant a larger and more powerful one—the purchase of which, with-erection, &c., will not assuant to more than 1L per abare.

Warran Arran Manta (near Exater).—We have seen some excellent pieces, or specimens, of gossan and mundle from the new mine at Dunsford, near this city—the latter is most besutifully marked with copper. Most heartily do we hope that the enterprising advanturers will succeed in their discovery of copper, and the indications already are said to be scarcely inferior to the original of the celebrated Wheal Maris, near Tavistock; and, if the opinism of some of our native geologusts prove correct, this district abounds with valuable mineral, and must, if worked, prove-a source of great Lenefit to the neighbourhood and to Exeter.—Westers Leminary.

ACCIDENTS.

Wheal Rose. Thomas Edwards, a little boy nine years of age, was playing our an old shaft (40 fms. deep), when, rolling in a heavy stone, he fell with it, nd was taken out dead, and shockingly mutilated. This shaft had not been orked for 25 years, and yet the mouth had never even have

worked for 20 years, and yet the month said naves even seen even year.

Wignes.—At the conclusion of the impose on the body of William Rutter, worked of "Manshingther" against Peter Ruter, his brother, through whom negligucos, in leaving his lamp uncovered, the accident occurred. Peter still lies in a very prescrious state.

18 News Chiefe, "Chiefe, "A Combry of lies on a col-pit, belonging to Mr. States," the state of the prof.

Cyforthis.—B. Edwards, aged II years, was killed by a fall of atone in one of the levels.

28 News Chiefe, "Perchedito.—W. Masefield was killed by a fall of anders one of the levels.

28 News Chiefe, "Perchedito.—W. Masefield was killed by a fall of collision.—Early on Welineddy week, a violent storm of thunder, lightning, and rain visited Wigns and the neighbourhood, and the rain continued to pour in tor-rests, for several hours. At laybreak, the river Dougles was found to be avolise to a great height, and the adjacent fields nearly all flooded. In one of these levels and for five or six hours the stream rolled imperiously into the hollows, carrying large quantities of soil, and other materials into the old mine below, which it is anticipated will seriously interfere with the working of all the mines in a complex of the collision of the stream rolled imperiously into the hollows, carrying large quantities of soil, and other materials into the old mine below, which it is anticipated will seriously interfere with the working of all the mines in the special of the stream rolled imperiously into the hollows, and the special was a superprachable.

18 A percent of the proper of the proper of the proper of the proper of the hours was unapproachables. If a peans, that the working of all the mines in the special proper of the proper of the proper of the hours was unapproachables. The proper of the proper of the hours was unapproachables. The proper of the proper of the hours of the formation of the proper of the hours of the proper of the hours of the proper of the hours of the proper of the h

THE MINERS' MODE OF PUNISHMENT.—On Saturday morning last, a mode of punishment not altogether unknown in this county, occurred in the public streets of this town. The delinquent methic case had committed an act of dishonesty by claiming the production of another man's labour. The offender and the offended were working together in one of the Earl of Lonsdale's coal-pits, near this town, and the delinquent, in the course of the morning, when unobserved, had labelled with his own talley-stick a basket of coals which had been hagged by one of his fellow-labourers, with the view of receiving pay for them as the productions of his own labour, thereby intending to defraud his fellow-abourers with the view of receiving any for them as the productions of his own labour, thereby intending to defraud his fellow-workman of what was justly due to him. The trick, however, was discovered, and the offender was seized and had his arms pinioned with cord behind his back, to which a dark-coloured board, about 2 feet square, was fixed, and the

and the offender was esized and had his arms pinioned with cord behind his back, to which a dark-coloured board, about 2 feet square, was fixed, and the nature of the offence set forth apon it with chalk, written in a large and good legible hand. In this pitiful condition the fellow was driven through the town by the person whom he had attempted to defraud, followed by a crowd of men, women, and children, who every now and then loudly cheered the procession, which rapidly increased in numbers as it passed along. The offender, who proceeded through the streets in front of the crowd, seemed much at his case, and apparently cared as listle for the punishment as he thought about the penitence, which ought to have followed that discovery of his offence; but which, in our opinion, the mede-of inflicting the chastisment was but listle calculated to inspire. —Whitsharen Herald.

THE LIVERPOOL RAILWAY DIRUTATION.—The deputation from the Liverpool Stock Exchange, that visited London, a fortnight ago, on an interview with the directors of the leading railway companies, to ascertain whether, in the present embarrasesed state of the commercial world, some plan might not be elected for lightening the pressure of calle, and suspending the progress of works not essentially requisite, here not considered it seesessay to report formally the result of their visitation to the various companies—the account that appeared in the daily journals, and which preceded their return to Liverpool, having been deemed sufficiently full and correct embarrasesed state of the commercial world, some plan might not be elected for lightening the pressure of calle, and suspending the progress of works not essentially requisite, here not considered it seesessay to report formally the results of the commercial world, some plan might not be calculated to inspire the proposition of the commercial world, some plan might not be calculated to inspire the proposition of the commercial world, some plan might not be calculated to inspire the proposition of the

Current Prices of Stocks, Shares, & Metals.

Mixes.—Notwithstanding the continuance of the unprecedented state of the money market has upon all speculative property, there is still a strong and manifest desire with capitalists to purchase mining shares. During the week, there have been many inquiries for shares in standing mines, although the amount of business really transacted has not been large—the general impression being, that sellers will getten no offer, however dethough the amount of business really transacted has not been large—the general impression being, that sellers will section no offer, however depreciating; but, even with the present scarcity of money, it is only where necessity urges that these sacrifices are made; and it is a remarkable fast, that the mining share market has, comparatively, but little suffered—whilst the gailway shares have remained dormant, or sold at ruinous prices. Treleigh meeting, held on Wednesday, declared a dividend of 6s. per 5000th share—being the third dividend since May—reserving a balance of 1500. In hand, exclusive of a reserve fund of 450. The highly prosperous position of Bedford United Mines has produced a demand for these shares; but purchasers are unwilling to advance above our present quotations.

Great Devon Consols shares have been in request during the week; still we are not advised of any sales having been effected.

We understand that an improvement has taken place in Constithe Hills Lead Mine, and that some shares have changed hands at an advance. Buyers may be found for Wheal Henry, in consequence of a considerable improvement having been made there; as well as in South Wheal Francis, West Seton, Caradon Wheal Hooper, &c.

A considerable improvement has taken place in Great Wheal Michell Consols, which will, no doubt, create a demand for these shares, especially as the present quotation is far below their estimated value.

The report from West Wheat Maria represents a decided improvement having taken place, and some few shares have changed hands; but whether from the improved state of the mine, or the lowness of the shares, we are not prepared to show.

Several shares in Comblawu Mine, near Callington, have been done.

The following shares have been transferred this week-ryla.: Trechnes, Henrylaftot West Wheal Maria, Polsaith, Mendie Hills, Treviskey and

The following shares have been transferred this week—viz.: Trehanes, Herodsfoot, West Wheal Maria, Polsaith, Mendip Hills, Treviskey and Barrier, Wheal Henry, Plymouth Wheal Yeoland, Bedford United, Caradon Wheal Hooper, Stray Park, Devon and Courtenay, Condurrow, and Comblawn.

Combiance.

In foreign mines, fransactions have been of the most limited character; if we except Imperial Brazilians and Australians, we fear very little else has been done. Since our last, we learn that private advices have been received from the Australian mines, of a most encouraging character; and a large number of shares have changed hands, in consequence.

By the dispatches received yesterday from the Imperial Brazilian Company's Mines, dated 28th July, we learn that their most sanguine expectations will be realised at their newly-acquired property, Bananal, as will appear by the report furnished in another column.

The Alten Mines report, also, presents an improvement, especially in the quality of the ore, and some discovery of other lodes.

Railways.—In the early part of the week the market was in so depressed a state, that although pressed to the utmost urgency to realise, holders could not effect sales; on Wednesday, it appeared in a little better state, though still shares, except in some very few cases, did not advance in prices. The shares most liked by small speculators appeared to receive the most support. On Thursday, some little more firmness was visible; but there was a further evident depression yesterday, and the market closed very flat.

MERTHOS.—A meeting of railway shareholders took place, at the Leadon Tavern, to consider the propriety of petitioning Parliament to extend the time granted for the consideration of such railways as were passed during the session of 1846 and 1847, and other matters, when resolutions were passed to the effect, that a petition be drawn up to show he difficult position in which shareholders are placed by their engagements in railways, ooth as regards the deposits and calls aiready paid, and their further habilities, and apointing a committee to carry out the objects of the meeting, consisting of Mr. Henderon, Mr. Anderson, and Mr. Green.—Naway and Expusitions: extraordinary: the umber of directors were reduced from 13 to 8; and is was decided to suspend the works until next spring.

until next spring.

HULL, Thurasday.—The share market has been, throughout this week, in a state of paralysis; and, although quotations this morning show a slight change for the better, there is nothing to justify the expectation of a speedy and considerable improvement—especially while the talented Chancellor of the Exchequer is of opinism things are "all right," and that there is no secessity for a relaxation of Sir R. Feel's perfect bill of 1844. Sky per cent. preference shares are now at a discount—offering a rare chance to those who are clear of railway stock, or who hold a slight amount of such property. We are perfectly certain, that many parties will look back to the present time as a period when they missed excellent opportunities for investment; but whether we have seen the worst yet, is, of course, a problem difficult of solution. Local stockaste more brought to market. Flax and Cotton Mill new shares are offered at 61, pm.; Hull banks at 117, per share; Glass shares may be called 641. O 74. dis.; and Kingston Cotton 200. dis.—the latter rather firm at that price.

EXCORTATION or THE PRECIOUS METALS.—The following are the official return

RAILWAY TRAFFIC RETURNS. Name of Railway. 3p.c. 24 34 9 6 £ 222 796 923 1174 15 £179,989 -658,293 Dublin and Drogheda
Dublin and Kingstown
Dundes, Perth, and Aberdeen... 689,248 473,282 285,745 2,207,490 6,313,026 531,021 2,275,435 1,567,281 1,342,718 9,714,939 147,001 1,209,913 6,807,314 18,042,004 1,102,717 5,109,667 905 128,1 416 462 10035 430 4207 2462 1058 882 10486 10564 13953 1077 10698 7747 1045 12448 1199 4126 2900 1206 2135 22384 197 1633 10902 46712 1019 11665 10212 120 Edinburgh and Glasgow . . . Glasgow, Paisley, and Ayr . Glasgow, Paisley, & Greenoel Gt. Southern & Western, Ir 241 104 70 924 362 4 1374 1864 144 1474 494 28 382 65 704 78 17 29 1874 88 25 12 2364 London and Sonth-Western
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dispery for spinning and winding yarn.

1. H. Barber, Eing-street, Cleapside, gentleman, for improvements in machinery for spinning and winding yarn.

1. H. Barber, Eing-street, Cleapside, gentleman, for improvements in machinery for passelling vessels. (Being a communication)

1. Tyrrel, Great Ormond-street, Queen-square, Middlesex, for certain improvements in the manufacture of clastic fabrics from vulcanized india-rubber, gutta percha, er certain fibrous materials. (Being a communication.)

1. Hareley, Sunderland, for improvements in the manufacture of glass.

3. J. B. M. de Lignae, Fortland-street, Middlesex, for improvements in preserving milk.

3. V. Mowton, Chausery-land, mechanical draughesman, for ocretain improvements applicable to the construction of floors and other parts of buildings, and also to certain kinds of furniture and sittings for buildings. (Being a communication.)

1. A. Bassaume, Rue du Creissant, Paris, gentleman, for a new process for the preparation and engraving of plates adapted for printing cotton, stuffs, paper, and other substances.

ration and engraving of plates adapted for printing colton, stum, paper, and other substances.

Flarre Antoine Joseph Dujardin, Lille, France, doctor of medicine, forimprovements in dearch-magnetic telegraphic apparatus.

M. Pierpeint, Esq., for certain improvements in the distribution of artificial light.

S. C. Lister, gent., and I. Rolden, worsted spinner, for improvements in carding wool and other fibrous substances, and slav in making heald and Genapp yarns.

R. Fell, Winchester-street, engineer, and J. Fell, gent., Ostend, Belgium, for certain improvements in obtaining and applying motive power.

C. F. Ellerman, Brompton, Middleses, for certain processes, or methods, of rendering feathering excemental, and other matters inodorous and disinfecting, and also for trarding the putrefaction of animal and vegetable substances, and certain chemical re-agents, employed in the said processes, or methods.

Matihew Townsend, Leicester, frame-work knitter, for improvements in the manufacture of looped or knitted fabrics. Mechanics Mogazine.

The Royal Works.—In addition to the stone supplied from the British quarries for the furtherance of the works in progress at the new Houses of Parlament, and at Buckingham Palace, large quantities of foreign stone are imported from Caen, in Normandy, and the Channel Island of Guernsey; and it has not been a rare occurrence throughout the summer for several vessile to arrive on a single say from those places, inden with stone for the Royal works. It carrives on a single say from those places, inden with stone for the Royal works. Of course, every assistance is readered by the Governments and the revenue authorities to the contractoragnated to the former for vessels laden with stone blocks, and arriving from Normandy, or elsewhere, to pass the Custom-house without being discharged of their carriages at any of the whar's below bridge approved the landing of such material from for the purpose of landing the stone there, as being remises at Thamse Rank, Finilico, for the purpose of landing the stone there, as being a transment and condiguous to the palace. The same privileges are permitted to Mr. Grissell, at Westmitsser, for landing the stone there, directly in front of the building; and on more than one occasion of an influx of vessels with granite from Normandy and the British quarries at the same fooded, have, no doubt, materially assisted to forward the operations is progress, which were activated to the morning, which has been the case throughout the whole of the Tyrllander estate, on the east aide of Swansea rivar) has been taken by a sompany, for the purpose of iron ship-building. The copper smelting experiments now making en the same site being nearly complete the ship-building will be commenced in the course of the next month.—Cashring

1-	PRICES OF MINING SHARES.					
Ci	DRITISH MINES.	BRITISH MINES—continued. Shares. Company. Paid. Price.				
i	1000 Abergwessin	BRITISH MINES-contenses. Shares. Company. Paid. Price. 256 8th. Friendsh. Wh. Ann 16 . 25 300 South Harvannsh. 10 . 25 300 South Harvannsh. 10 . 25 300 South Toigu. 24 . 25 300 South Toigu. 24 . 25 300 South Toigu. 24 . 25 300 South Towan . 10 . 14 256 South Towan . 10 . 14 256 South Well Roll . 16 . 20 128 South Well Roll . 16 . 20 128 South Wheal Basset . 110 . 75 124 South Wh. Faries . 100 . 210 356 South Wh. Hope . 2 . 2 250 South Wh. Maria. 2 . 2 250 South Wh. Sophis . 4 . 44 10000 Soutl.ern&Western, Irish 2 . 4 280 Spearne Moor . 30 . 40				
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20	28 South Caradon 10 450 00 South Delcoath 3 24	2000 Mexican & South Amer. 7 14				
10 P	. We should feel greatly obliged by agent	is, or others interested, furnishing us with				

. We should feel greatly obliged by agents, or others interested, furnishing us with such corrections for our Share List as see may not have received through our usual channels of information—our object being, to present as accurate a list of prices as can be obtained—to procure which, we solict the aid of correspondents in general.

MISCELLANEOUS COMPANIES.

Shares.	Companies,	Paid	NEED NEED	Thim .		-	14500000
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1,080	Australian Agricultural			4.11		20 8	7 10 1
10,000	Australian Agricultural	30				26	28
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0,915	Canada	294	11678	200	6	** 11	00
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1,800	Corn Exchange	971			la mendan	A 400	100 TO 100
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2,700	Equitable Reversionary	98	21728733	Sherry.	1201 PACKET	2000	00
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20,000	General Steam Navigation	100	755,00	10.10	COLD SYSTEM	001	100
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20,000	New Brunswick	75		1000	005366	Military.	1002
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8,000	South Australian	25 .			Difference	WHITE THE	Danie.
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and Constitution	* Those marked with an asterisk (*) are	divid	end w	er share	STEWARA	(c) (190) 13

Shares.	Companies.	1	Valid.		The second second	Price.
5,000	British (London)					£18
5,000	Ditto (country)					
3,000	City of London	*********	100 v	10		200
1,000	Ditto New	********	100	tem 10		210
4,000	Equitable European	A	50	2	*******	28
10,000	European		20			18
12,000	Gas-Light and Coke Charter	red Co	80		*******	574 584
6,000	Ditto New		10			12
9,000	General United Gas-Light C	ompany	50			174 184
10,000	Imperial		50			80
6,4007.	Ditto Debentures	********	100			100
8,000	Imperial Continental		391	4	*	
7.000	Ditto New		28			
54,5007.	Ditto Debentures		100			
	Independent			1		64
2,000	London		50			50 5L
3,000		*********	50			
9,000	Phœnix, or South London	** ** ** **	43	****		
1,000	Ratcliff		80			75
4,000	South Metropolitan		25	1		314 34

read malesce in our fidad	Sold at Truro, on the L	et October, 1847.	
ditto	Tons	13 3 0 13 3 0 11 13 0	Pivrehasers. J. T. Treffry. Newton, Keates, & Co. Michell & Son. Newton, Keates, & Co.
Cwmystwith	21	£8 16 0 8 15 5 14 0 0 8 14 0 10 2 0 10 10 0 9 0 0	Newton, Keates, & Co. ditto Mather & Co. Newton, Keates, & Co. Mather & Co.
higgment posts he is	Sold at Liskeard, on the	5th October, 184	I.

Trelawney 72£16 7 6 Tamar Çompany.

COPPER ORES Sampled Sept. 15, and Sold at Swansea, Oct. 7; 1847.

Mines.	Tons.	Prod.	Stand. 1	Price.	Mines. Tons, Prod. Stand. Price.
Cobre	.101	151	87 £10	18 0	ditto 38 23 81416 9 6
ditto	. 95	144	9010	1 6	ditto 103 148 658 10 9 9
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ditto	. 85 .	221	8116	5 6	Knockmahon 61 94 934 6 19 .0

COMPANIES BY WHOM THE ORES.	WERE PURCE	IASED.
Mines. Freeman and Co. Sims, Willyams, and Co. Vivian and Sons. Williams, Foster, and Co.	Tons. 174: 405 9264	Amount. 2984 15 0 - 5689 12 6 9119 4 6
	ANTONE STORY OF	

COPPER ORES.

Sampled Sept. 22, and Sold at White's Hotel, Pool, Oct. 7, 4847.

Mines.	Tons.		rice.	Mines. Tons: Price.
ditto	***		6	Camborne Vean 71 £4 #
			6	ditto 70 4 0
ditto	113	. 7 12		ditto 64 4 6
ditto	108		6	difta 63 3 1
ditto	106	. 3 14	6	ditto 49 6 15
ditto	102	4 4 14	6	ditto 49' 3 18'
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ditto	102		0	ditto 73 0 2
ditto	88		0	ditto 24 2 4
ditto	. 82	F 2 - 2	0	South Wh. Basset 60 4 7
ditto	1000		0	ditto 47 3 3
ditto			0	ditto 40 4 14
ditto			6	ditto 38 5 9.
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ditto	84	4 18	6	ditto 24 7 9
	77	4.3	6	Fowey Consols 83 4 11
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ditto	58	3 19	6	Chardenness
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ditto	42	1.12	6	Alteria
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ongclose	. 76	5 4	0	South Wh. Francis 100 5 19
incroft	.130	3 9	6	The state of the s
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Camborne Vean.	618 559	****	2245 2197	11	0	Wh. Ruby	90	****	354 61	18	0	
Dolcoath	335 234		1345 1249	0	6	Oates's Ore Wh. Ann	10	****	12	10	000	
Average Standard	1		£102	6	-	Average Produce			0000750	77		

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Minor Down	Developed Appendix on September 1977 (Appendix 1977)	Ions.	Amount.	
Winter Roya	Same	126	£287 14	0
P Growfell	d Co	895	4618 17	ï
Crown Con-	and Sons	309	1220 16	3
CIONII COMP	or Company accesses accesses	EXPERIMENTAL PROPERTY OF THE P	90 10	-
Williams Fo	me, and Co	867	2352 14	ā
of the second second	stor, and Co	1898	9614 17	3
personal and account of the state of	Education Schoolsow Advisor in Section 1997			Œ

QUARTERLY SALE OF COPPER ORES IN CORNWALL. To Ser. 30.

Total quantity of Copper cres, 40,174 (21 cwts.)—Fine copper, 3247 tons 3 cwts.—

Amount of money, 229,969. 29, 6d.—Average produce, \$4.—Average standard, 164. 17s.

—Average price per ton, 57, 14s. 6d.

NOTICES TO CORRESPONDENTS.

It will at all times care much trouble, and frequently considerate are simply directed—

To the Editor. Also, to avoid trouble, Post-Overice Careas should always be made payable to Wilke as acting for the proprietors.

M. Paillette (Paris). -- Forwarded, through the London agents, to the Quebec and Me treat Mining Company.

A Friend to the Advanturers in Town " must authenticate his statement respecting the Dean Prior and Buckfastfelph Mines, when it will receive proper attention. If the write is what his signature represents, there can be no necessity for withholding his name—without which, his letter, of course, cannot be taken in preference to the weekly reports from the agents.

SECURIA.—Mr. Napier's recent improvements are described in the Journal for 23.—Mr. Wall's method has been referred to on several occasions, and is now in see of practically testing.—full particulars of which we shall, of course, place before readers as soon as they can possibly be made public.

To are indebted to our contemporary, the Pensance Journal, for proof alps of a very ex-tended notice of the annual meeting of the Royal Geological Society of Cornwall.

The Mining Journal is published at about Eleven o'clock on Saturday morning, at the office, 26, Ficet-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of Londen.

THE MINING JOURNAL Railway and Commercial Sasette.

LONDON, OCTOBER 9, 1847.

We have looked forward with much expectation, but with no anxiety whatever, to the quarterly winding up of the public accounts. Time out of mind they have been received as the true indices of the internal comfort and prosperity of the kingdom—as such we accept them, and think they give a satisfactory refutation to the opinions, so confidently and so variously set forth, of prevailto the opinions, so confidently and so variously set forth, of prevailing embarrassment and distress. It would be a new phase in the fluctuations of our public history that, at one and the same time, the public revenue shall flourish, and the people faint: these, we apprehend, are things so dissimilar, and so distant, that no force of circumstances can make them co-ordinate, or coeval. These quarterly express them, to a deappretration, that throughout this land of prehead, are things so dissimilar, and so distant, that no force or circumstances can make them co-ordinate, or coeval. These quarterly returns show, to a demonstration, that throughout this land of looms and anvils, every man has been up and at his work, and that the prosperity of the Government is a light reflected from the greater prosperity of the people. True, we have had great commercial faitures—true, that we may expect more. The tail of the great Irish storm is still shaking its plagues upon us; but the productive industry of the nation, apart from, and in despite of, that visitation, has rarely, if ever, been surpassed, in the results exhibited by the revenue tables now before us. It will not surprise our readers, if we assure them that we think the commercial element all the sounder and the safer, for the failures which have taken place—just as we should think a pile of wheat of more value and solidity when it had received the winnowing of the husbandman's fan. The houses in question have, as some affirm, been long insolvent, and it was in the nature of things that a moderate gale only should have laid them under water. But so, or not, the fact, one way or the ofter, is not to our purpose, except as it may be admonitory to those who give an undue importance to such points: they will view the case erroneously, and be in danger of treating it empirically, if they consider neously, and be in danger of treating it empirically, if they consider our case as at all embedied in these events. Our case consists, not in the failures of last month, but in the mexpected and unparalleled outlay of fast antum; and until, by persevering industry, we have won back that expenditure, there will continue to be a pressure.

There is not a more promising method within our reach of re-

storing the circumstances of the country, than by giving attention and encouragement to our domestic industry: that is the true mind of the people—the area in which money is to be made. Amongst and encouragement to our domestic industry: that is the true mist of the people—the area in which money is to be made. Amongst these branches of industry, prominently, if not chiefly, we may justly enumerate our engagements in railway and mining undertakings. We expect that those having the management of such public works will make their calls on the purse of the country as seldom and as light as possible—that they will not give unnecessary stringency to their legal claims on the shareholders; but, at all events, the work they are engaged in should be prosecuted with all requisite efficiency and vigour, no less with a view to the utility of the works themselves them in consideration of the employment and comfort of the selves, than in consideration of the employment and comfort of the classes benefited thereby, and, as proved by the returns, which is the text of these few remarks, for the sustentation and enrichment of the imperial treasury.

For years has the public voice been raised against the apathy shown by the large majority of persons, who, as proprietors, or viewers and managers, of coal mines, are, in a great measure, responsible for the lives and health of hundreds of their fellow-creatures, who, from circumstances, are obliged to obtain support for themselves and families by that most rigorous and dangerous of all human employments—mining for coal. Buried the greater portion of their lives hundreds of yards beneath the surface of the earth, and cut off from every other class of their fellow-men, as a body they have naturally imbibed supersitions and prejudices, and a dogged tenacity of habit, in following the old routine of their fathers, that (as we have on so many occasions before observed) renders it they have naturally imbibed superstitions and prejudices, and a dogged tenacity of babit, in following the old routine of their fathers, that (as we have on so many occasions before observed) renders it fatile to expect any assistance from the working collier himself in the improvements so desirable in mine ventilation, until education shall have expanded his mind, taught him some of the simplest truths of natural science, and placed him in some degree on a footing with his brother labourers on the surface. So much the more is it the duties of their employers, and the Legislature, to look after their safety, and take advantage of every means which experience and science places within their reach, to avert, or rather prevent, those dreadful wholesale masses of slaughter, with accounts of which our pages have, unhappily, so often been stained. It is true inquiries have been instituted, commissions appointed, and huge tomes of Parliamentary reports sent forth to the world; but nothing effectual—and little even to the purpose—has been done; and the working collier has been left to take his chance of living, or meeting with a sudden and horrible death, as it might happen.

From what took place, however, at the Liverpool Royal Polytechnic Institution, on Monday week—a report of which appears in another column of this day's Journal—we are most happy to observe, that a step has been taken in the right direction. The paper read by Mr. Swerlove gives, perhaps, as clear as—if not a more lucid—description of the modes of working coal, so difficult to understand by the uninitiated, than is generally given at such institutions; and the discussion which ensued, was equally interesting—both of which, we trust, will make some impression in the right quarters. It is evident, that a powerful disinclination to change

methors; and the discussion with make some impression in the right marters. It is evident, that a powerful disinclination to change quarters. It is evident, that a powerful disinclination to change exists, both among men and owners—the former, doubtless, from strongly-impressed habits; the latter, probably, to avoid expense—for, although several systems of ventilation have, in the last 40 years, been proposed by scientific men, practically acquainted with coal mining, and which have had evident marks of great superiority over existing methods, they have been rejected without trial, and, one by one, have sank into oblivion. Mr. Sweetlovk appears to have taken a decidedly novel view of the principles of ventilation, and which we think is worthy of serious consideration by all parties concerned—and that is, "first the removal of this dangerous gas before its admixture of atmospheric air in the mine; and, secondly, to keep up a constant supply of fresh air for the respiration of the miners. These objects can only be effected separately; we may, therefore, ascribe the failure of the present modes of ventilation to their attempting to effect them conjointly."

The paper throughout is of the most important character, and appears to us to have given new and interesting features to the subject; and from the popular character of the institution from which it has emanated, and the support given to it by the most influential and scientific men in that populous and wealthy borough, and the surrounding counties, we heartly trust the day is now not far distant—if it has not already arrived—when any plan for the amelioration of the state of our fellow-men, if evidently founded on correct and scientific principles, will, at least, find opportunities of fair trial, and, if found successful, be allowed to make its way, in spite of the opposition of ignorance, superstition, bigotry, or cupidity.

It is the true characteristic of John Bull to live in extremes. He either caunot, or will not, hit the "happy medium," or believe there is in medio this immusibis. To-day, rushing with maddened enthusiasm into speculations, however ridiculous—to-morrow, gloomy and disheartened, he will sacrifice, at any loss, that which previously he so eagerly desired. It is especially thus at the present moment. Railway speculations, excessive over-trading, and a system of fictifious credit (enabling men of straw for a time to assume the airs of men of capital), have brought about a panic, the effects of which may be long felt in the commercial world; but which, like the thunder-storm that clears the air of blight and vermin, will, ere long, bring about a better state of things, and a better system of trade. We have been led into these remarks principally from the sacrifices that have been lately made in mining shares, from no legitimate cause whatever that we can learn. Every one, indeed, says, "things must be worse"—"shares must go lower"—and, acting upon this belief, they force their shares upon the market, and create the very depression they predict. We are not advocates for the apathetic indifference of a New, but we do think that ancient and celebrated individual was better employed in fiddling whilst Rome It is the true characteristic of John Bull to live in extremes was burning, than he would have been in faming the blaze. We see no reason why shares should be sacrificed; the only thing we see is, that those who have money in their pockets, and lay it out at present prices, will have every reason to congratulate themselves at present prices, will have every reason to congratulate themselves upon their purchases; whilst those afarmists who sell, will regret it when too late. In less than a week upwards of six millions of money will be paid (in dividends on Censels, &c.) to the public; and this, added to the increased confidence that will arise in the marthis, added to the increased confidence that will arise in the market, will make things better, and our mining friends will do well to remain quiescent for a time. We believe, at the present moment, whilst ruin is encompassing many, and distrust and want of confidence exist to a degree hitherto unparalleled, there is no want of money, and that the bankers have more than they know what to do with, in safety; but which, when confidence is restored, will be circulated as of old.

The advices from South Australia, to the 5th of May last, give most cheering accounts of the state and prospects of that colony—agriculture was thriving, stocks increasing, money plentiful, and trade and commerce flourishing; while the shipping in port were loading large quantities of copper and lead ores, the produce of the very prolific mines of that colony. In another column will be found a report of the second annual general meeting of the South Australian Missing Company, held at Adelaide, in May last, which exemplifies the extraordinary progress of mining in a high degree—a dividend of 50 percent, on the capital being resolved on, and a saill larger one expected at the next meeting. The banks also have reaped some of the advantages, in consequence of the general prosperity produced by the success of the Burra Burra Mines—having received, during the two years of its working, 2600l, for interest and discount. The Australian Colonies jointly are likely to prove of the utmest value and insportance, as an adjunct to the British Empire.

the utmost value and insportance, as an adjunct to the British Empire.

We would again draw the attention of our readers to the present position of the Gerrar Why at Martha Mining Company. At the special meeting on Wedner day, it transpired that, out of the 2000 shares of 3t. los. each, pryable by instalments of 10s., being the amount of capital of which the new company is proposed to consist, about 1300 were taken—leaving 700 still unapplied for. We understand, there are about 50 present adventurers; and if these would but put their shoulders to the wheel, and take an average of 25 shares each, the whole plan would be full, and without pressing on any one, as the periodical calls would be but 10s per share. Now, we consider it would be a very great pity if this mine should be stopped, because the new alrare list could not be filled up in the usual reasonable time. Owing to the present unfortunate state of the money market, capitalists feel somewhat disinclined to embark in anything, however fair or favourable its prospects may appear; but, in this case, we would remind them of a few particulars, which tend to make the present opportunity for investment one of no ordinary nature. Besides the opinions of the agents of the company, several of the most experienced and practical miners have lately been employed to report on the mine, and in our last week's Journal appeared an extract from a private letter, written by one, whose name, if we were at liberty to mention it, would render any further comments on our part unnecessary. The unanimous opinion of all these gentlemen is, that at 30 or 40 fms. deeper in the New Mine (now at 40 fms.), the lode will be found to be of a very favourable character, and, in fact, that at good and lasting mine will be obtained. Now is this all; for it is believed that the celebrated Wheal Maria lode exists in the Wheal Martha, and, indeed, we have heard that one of the underground agents at the former mine has expressed himself to that effect. We doubt not, that the present adventurer considered will be a satisfactory result; and that they, as well as new parties, will come forward to save, as far as they are able, the great sacrifice which must otherwise take place. We need only add, that as soon as all the shares are taken, we understand the directors intend sinking the new engine-shaft to the depth to which they are advised, before again driving any levels.

With much pleasure we refer our readers to the reports published this day on the workings and prospects of the Pennant Mines, We feel double pleasure—first, because the success of a mining speculation always animates us with the same description of delight, which an old sportsman may be conceived to experience, when, after a day's toil, he is crowned with a "a view hallo" when, after a day's tol, he is consistent what a very action to happy in success; for we feel prosperity in a mine to be like a personal matter of our own; and next, we have always felt, from the geological structure of that part of Merionethshire, notwithstanding the prejudices which formerly existed against it, that it is in reality eminently rich in mineral productions; and the indications of wealth, which we have long since discerned, are, we may say, now

proved by these reports.

In addition to the accurate and highly-satisfactory description of the mining operations, Mr. Riomansson's report is most interesting in the detail of the simple mode he recommends for the preparation of the umber and Vandyke brown, of which there is so paration of the umber and Vandyke brown, of which there is so abundant a yield on the sett, and which are such valuable commodities—in fact, they appear more than sufficient to pay all expenses of working the mines. His suggestion, as to the preparation of sulphuric acid from the iron pyrites, also points out a source of large profit, and which there is no doubt can be most advantageously realised by means of the "peat," if prepared by Mr. JASPER ROARS's simple and effective process, to which we have frequently alluded; and the mining property at Pennant, and in its neighbourhood, will be made valuable to an extent difficult to estimate by the addition of such a fuel,

The slate beds of Pennant strike as, from the description, to be the same quality as those of Valentia, in Ireland, which have been so much songht after, but which do not yield a sufficient supply for the demand. Here is another source of wealth; for, if things are as we anticipate, thousands and thousands of tons can be disposed of, and we would suggest the propriety of immediate steps being taken to bring samples to market. The report from the purser speaks so faily and satisfactorily for itself, that further observation from us is not necessary; but we think the shareholders may be safely congratulated on the brilliant prospects before them. Mining is said by some to be a lottery; if so—which we deny on principle—it is no trifling pleasure to be holder of a prize like this.

Up to this date, the history of the Great Britain steam-ship has been one of rather singular vicissitude: a prisoner in the Severn, immediately after being launched on that element, of which she was so magnificent an ornamant; her weatherly encounter with, and conquest of, the heaviest gales of the Atlantic; her stranding in the night within a few fathoms of the shelving rocks, which would have stove in her iron ribs, had she touched their upheaved and massive points; her fine conduct, and firm bearing, during her long and exposed winter quasters in Dundrum Bay; her release from that dangerous captivity, and return through the Irish Soa; the meek manner in which she took her place on the Liverpool grid-iron—together with her vast proportions; and great steam-power, make up a catalogue of singularities, not to be equalled throughout the navies of the known world. This Sanson of the steamers—this Golfan amongst the sea giants—is now at the mercy of a auctioneer's little features—"To what best uses may we not return, Honatro." We do not much complain of that—our sole anxiety is, that, in the mere chances of an auction-room, this noble vessel should not pass out of British hands. We think it likely she will not; for there are, perhaps; no seamen, except the indigenous breed of these shores, who have nerve enough, in all states of weather, to handle such a craft. We trust to see her, therefore, with our own flag floating at the mast-lead, taking her place among the princes of the sea, and, if possible, making herself the laurelled medium of communication between the Old World and the New.

between the Old World and the New.

Shippend of Lead (?) Ord From South Australia.—We learn, from the South Australian papers, that some most barefaced frauds have been discovered to have been going on at the Gien-Ormond Mine, the property of Mr. Lewis Gilles. It appears, that in the month of April last, an anctioner, of the name of Neales, sold at the austion mart, in Adelaids, 4 tons of lend ore, as it was termed, at 3s. 6d. per ton, the buyer to pay the wharf dues, 3s. 6d. per ton more—making 7s. A.Mr. Levi bought it for ballast, but found it a dear bargain even for that, and was glad to get 20s. back for is from a gentleman to lay on his garden walks—in fact, it was nothing but stones and rubbish. It came from the mine under the name of "smalls," and was, consequently, enclosed in bags, with something his ore at top, and this disgraceful practice had been carried on for a length of time, evidently with the connivance of the proprietor, who, in February, 1846, wrote to his brother in London, thus:—"The stones and dirt bagged and returned will, probably, seriously interfere with year arrangements (the formation of the present company in England), which are already made public through a local print.—The Adelaide Observe very justly remarks on those diagraceful transactions—"Ware these shipments (so unhappy for the good name of the colony) made with the privity of Mr. Gilles's accredited agent, and, if not, where was his deputy? Or, is it admitted that in those cases there was no supervision at all? But, on whom soever the blame rests, it is quite clear that so mony bags could not have so found their way to the port, without connivance on the part of some one, which svan the modified law of likel would scarcely allow us to characteries with sufficient severity; for, in all affairs like this, the mischied does not end with the parties concerned on this side the water, but travels 16,000 miles, spreads into numberless ramifications in England, and then recoils upon its victims here; and, not only upon them, but t

tainly a mystery about the matter which abould be cleared up: the above extract from the lotter, however, remained mesplained up to 24th April.

Openmen of the King of Prussian Rahiwara.—The 15th instant, being the anniversary of the King of Prussia's birth-day, all the railways that can be finished by that time, throughout the Prussian States, will be opened, with due seramony, on the ampicious occasion. Erom that date, a railway communication will be open from Oatend to Cilly, with the exception of a slight interruption of a few miles through the mountains, between Gratz and Vienna. The town of Gilly will then only be 78 miles distant from Frieste. Licut. Westparr, P.N., whose indentificable exertions in the catablishing of the Overland route to India will interest of the control of the gratient of the great commercial interest of this grand national ceremony.—A congress of the directors of the different railways of Germany, Austria, Brussia, Hanover, and Belgium, is to be held, to enable Licut. Washorn to make further arrangements for the establishing of the Overland soute to India vid Trieste, as the new line of railways will afford those facilities that he could need obtain during his last experiment, although they far exceeded his expectations.

Beneries of Railways in Inda to Minino Enteriment.—The establishment of railways throughout our Indian Empire will be the means of throwing open a wide field to native industry of every description, but particularly mining enterprise, which has hitherto been completely stagenant, is consequence of the want of means of a cheap and secure conveyance for their produce to market. The authorities in India, as well as the board at home, have been strongly opposed to the introduction of railways in that vast and rich portion of the British dominians, as they would put down the monopoly which exists by the local Government over nearly every branch of national industry, and the resources affected by the monopoly every branch of national industry, and the mource of the cont

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PROGRESS OF FRENCH MINING INDUSTRY.

onths ago, I stated, on the anthority of the official Moniteur, that the Government had caused trials of at qualities of English and French coal to be made, in the steamfrigates of the navy; and that the result was, that the coal of the Company of the Grand Combe Coal-pits was, in particular, declared to be as well adapted for steam-ships as the coal of Newcastle. And, as these experiments were not mada for nothing, the Government soon proved its confidence in the Grand Combe coal, by entering into a contract for the purchase of a very considerable quantity, for the Koyal Navy. So fas as well were decellence of the Grand Combe coal, for they remembered to have heard talk of its having been unanimously declared unfil for use, by all the commandants of steam-ressels in the navy—come of whom, moreover, were represented to have positively refused, on more than one cocasion, to put to saw with it. If my memory does not deceive me, your correspondance of the confidence of the property of the confidence of the confidence

The first half year's interest of the coal pits of Mont Charrin is now in

course of payment.

St. Dizier, 30th September: Fers battus á la houille, 360 fr. for Paris, 370 fr. for the provinces; fers laminés, first class, 370 fr. Paris, Wed.

Belower.—The general annual meeting of the shareholders of the great establishment of Seraing (John Cockerill and Co.), is to take place on the 26th, at Seraing.

The exportations made by this country, in the month of August last, were as follow:—Arms, for 461,083 fr.; coal, 37,906 tons; fontes en guesses at finites epurites, 6926 tons; rails, I tons, fonte oursel, 70 tons; works in iron, 58 tons; nails, 349 tons; works for machines, complete, 314 tons; ditto, in detached pieces, 108 tons; zine, 163 tons. The increase, compared with the same month of 1846, is nearly double for arms; three-fold for the fontes en guesses; twelve-fold for the fontes en guesses.

There is some talk of an attempt being about to be made in the Zoll-verein States; to obtain a modification of the duties on British importing enerally, and, among them, on the different descriptions of British iron.

This country, like France, possesses schools, inwhich the science of mining is taught, both in theory and practice.—Belgium, Tuesday.

PRODUCE OF THE PRINCIPAL CORNISH COPPER MINES.

Afines. Devon Great Consols Carn Brea		100 100 7	tinge.	Tons.		Amos	and.
Carn Bres.		sees d		3249			
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IMPROVEMENTS IN COPPER SMELTING .- We understand a patent has een obtained for a process of smelting copper ores, whether consisting of the oxides, sulphurets, or carbonates, on a principle entirely new, and by which pure merchantable copper can be produced at a cost of 5L per ton. We have every reason to believe, that we shall be enabled, in our next Number, to lay before our readers a part, if not the whole, of the specification, with diagrams, explanatory of the buildings and machinery required in the manipulation. The trials of new methods, now in operation at Swansea, Dartmoor, &c., and the success which appears to have followed Mr. Bankart's experiments, reader the present invention of great interest to every one at all connected with the copper trade; and we shall endeavour to give the fullest, and most clear, account of the process, that the materials with which we may be furnished will enable us to do.

DIPHUMO ETHER, IN CONNECTION WITH STEAM, AS A MOTIVE POWER. A patent has been recently enrolled, by Mr. Newton, of Chancery-lane, for the employment of the elastic vapour of sulphuric ether as a motivo ower, not absolutely instead of steam, but in connection with it; the calorie from the steam, after it has done its duty, being sufficient to vapourise the ether. The principles of action are, the passing of the steam, pourise the ether. The principles of action are, the passing of the steam, after it has exerted its force upon the piston of a steam-engine of the usual-construction, not into the condenser, as in condensing engines, or into the atmosphere, as in high-pressure engines, but into a certain apparatus, which the inventor terms a "generator," or "vapourisor." The steam is, immediately upon its introduction into the "generator," condensed, by contact with the surfaces of the apparatus, while the heat absorbed from the steam during condensation converts into vapour the sulphuric ether, or other highly volatile fluid, which may be used under this patent; the quantity, and, consequently, the power obtained, being in proportion to the amount of caloric in the steam. This vapour is then employed in the propulsion of a piston within a cylinder, similar to a common steam-engine, and acting in unison with the steam cylinder—the piston being connected by the usual method of piston-rod, connecting-rod, and crank to the same shaft to which the steam piston is attached. The elastic vaconnected by the usual method of piston-rod, connecting-rod, and crains to the same shaft to which the steam piston is attached. The elastic vapour, after having exerted its force upon the piston, is conveyed away by proper pipes to a vapour condenser, where it is condensed into fluid by simple contact with cooled metallic surfaces, which are constantly kept-at a temperature sufficiently low to effect the condensation of the vapour, immediately on its coming in contact with them. The condensor is kept cool by a stream of cold water, or a current of cold air. The condensed cool by a stream of cold water, or a current of cold air. The condensed fluid, uncondensed vapour, and what atmospheric air may have entered, is withdrawn out by air-pumps, in the usual manner, and deposited in a referiver, provided with a means of expelling and discharging all vapours which may have accumulated, and the lower part of which is connected with the "vapourisor," by which it may be sapplied with sulphuric ether, or other votatile fluid. The water produced in the "vapourisor," from the condensation of the steam, is drawn off by a pump, and discharged into the steam-boiler. The mode of making the stuffing-boxes air-tight for the etheric vapour is by means of water-pressure exerting its force through the medium of leather, and acting in opposition to the pressure of the vapour and preventing its escape. The invention can be applied to any description of engine—stationary, marine, or locomotive.

Corpus Minus or Cuna - We learn, from Madrid, that a company is in course of formation there, with the object of weeking some copper milns in Cuba. It demands that it should have, during a period of 40 years, the privilege of importing into Spain copper ore free of duty, and then, again, the same privilege of experting abroad. It also demands that a duty should be imposed on all other companies experting from Cuba. The matter has been referred by the Government to the Royal Council, by whom it was decided, with a majority of eight votes to seven, that the privilege of free importation from Cuba should be granted, but for 25 years only. Sense Burges, an influential member of the Council, has also a considerable interest in the company.

MINING IN SOUTH AUSTRALIA.

BURBA BURBA has been very rich; indeed, it has been a lurge deposit of copper ores—principally the green carbonate and crystallised copper, with the red oxide, blue carbonate, and grey sulphuret. This bunch is found in a basin surrounded by hills; as yet it has no regular lode, and the method adopted to take away the ores, must make the mine of short direction; had it been properly worked, and the ores dressed, they would have done well.

MOUNT BARKER has a great many lodes of copper ores—generally small, except one, which they now have about 10 ft. wide—orey throughout; this would do, if properly worked.

o, if properly worked.

KAPUNDA has its workings close to the water; and, so doubt, will do well, then their steam-engine has forked the mine.

MONTACUTE is suspended—for what reason, I cannot tell.

PRINCES ROYAL has a good deal of copper in the sett, but it seems very

Southers horat has a good deat of copper at the set, but it seems very scattered.

GLEN OSMOND MINES are again doing a little; but, in order to make them pay, I think, they must smelt their lead on the spot.

There are a great number of small mines, working in a colonial manner, and from which much cannot be expected.

Perhaps some of the large mine proprietors in Cornwall may be fearful of the effects of vast expertations of copper from here—but they may allay their apprehension for some time to come; as, before much can be sent, machinery must be in extensive operation; we must also have railroads; and it would take a great portion of the copper we produce to put these things in motion.

We glean one remarkable fact from the letter of our correspondent—who, we may state, is an experienced practical miner—that is, "We have no coal—the timber is poor—and it is cheaper for us to buy deals from England, for mining purposes, than to use the produce of the colony."

SOUTH AUSTRALIAN MINING ASSOCIATION.

SOUTH AUSTRALIAN MINING ASSOCIATION.

The general annual meeting of shareholders in this highly-flourishing undertaking, was held at the Auction Mart Tavern, Hindley-street, Adelaide, on the 27th of April last,—Charles Berk, Esq., in the chair,—a report of which we have just received, and which gives a highly-promising account of the state of the mines and the prospects of the company. Although but actual receipts have been effected on 1757 tons of ore, yet the directors expressed their intention of making: a dividend of, at least, 50 per cent. on the subscribed capital. This is something like a dividend; and yet, from expectations entertained of a very large proportion of the eres fetching full 304, per ton when they arrived at Swansea, it is probable future dividends will be still more brilliant. The quantity of ore raised in the, four productive months of the half-year ending March 31st last, was 34st tons, or at the rate of 10,44s tons per annum; but, if the probable aggregate of the months of March and April have been realised, they will have been ranising since at the rate of 15,900 tons per annum. Already have the Burra Burra Mines circulated an enormous amount of wealth within the province; and, as the quantity of ore as yet raised has given to British shipping the large amount of freight of 41,3321, it is difficult to foresee the important consequences to British enterprise which will arise from our possession of these colonies, particularly South Australia, in the establishment of which its first promoters met such appalling, enterprise-chilling difficulties.

—The following, is the report presented by the directors:—

ESPOR.

The second annual report of the directors of the South Australian Mining Association.

session of these colonies, particularly South Australia, in the establishment of which its first promoters met such appalling, enterprise-chilling difficulties.

The following, is the report presented by the directors:—

The second annual report of the directors of the South Australian Mining Association to the scripholders, at the general annual meeting, held the 21st of April, 1847:—
The directors feel much satisfaction is being enabled to lay before this meeting the following report of their proceedings during the past six months. The prospects of the mine continue awourable, and discoveries are frequently being made, tending to increase its value. At Bunce's shaft, a considerable distance from the principal workings, 80 tons of the blue and green carbonate of copper was raised last month; and there is every prospect of exceeding that quantity this month. An important discovery has been made, within the last few days, of a lode of excellent ere in new ground, extending throughlout the mine, at a depth of 21 fms. The pitches, generally, are producing good or in large quantities; and the men, numbering more than 200, are working with splitt. The quantity of ore raised in March last was 1193 tons, and it is expected that a like quantity will be produced this month. The directors beg reference to the annexed returns of one, showing the quantity raised during the list six months to be 3481 tons, which is less by 213 tons than the quantity raised during the list six months to be 3481 tons, which is less by 213 tons than the quantity raised through the complete account sales of about 800 tons of ore, the highest price realised being 314.9- per tons, the lod pitches, and, when compared with the actual working time of each six months, will be found to be a large increase. The directors have not received the complete account sales of about 800 tons of ore, the highest price realised being 314.9- per ton, the lowest 104.16s, per ton, and the average about 16f, per ton gross—leaving a clear profit to the association of

POONAWURTA MINING COMPANY, SOUTH AUSTRALIA.

POONAWURTA MINING COMPANY, SOUTH AUSTRALIA.

A meeting of scripholders was held at Payne's Auction Mart Tavern, Adelaids, on Thursday, the 15th April, when a report from the directors was read, accompanied by a statement of the views of Capt. Rodda, regarding its future prospects. A good deal of discussion took place, which ended in the unanimous approval of a resolution to the effect, that the sum of 2L. 10s should be paid to the shareholders on each share, and that the property be vested in five trustees, to be sold in whole, or in part, as found to be most expedient. The trustees, to be sold in whole, or in part, as found to be most expedient. The trustees, the company is now virtually broken up; but we understand there are many parties anxious to become possessors of the property, and that its sale will, at the least, cover the shareholders from any loss, if not leave a balance in the hands of the directors. The cause of this resolution would seem to be in the hands of the directors. The cause of this resolution would seem to be operations had been carried on underground to that depth that machinery was indispensable. The indications of ore were said to be very good, and some of the shareholders were confident of its future success. In fact, so eager was her for its possession, that one shareholder moved that it be brought unmediately to the hammer, stating his reasons that himself and a few friends intended, if possible, to purchase it—a motion which fell to the ground.

Mining is Gergeg.—In consequence of the continual political struggles

possible, to purchase it—a motion which fell to the ground.

MINIME IS GREECE.—In consequence of the continual political struggles that this unfortunate country has had to contend with, for the last 20 years, national industry and the arts and sciences, have been neglected, and the spirit of enterprise dismayed, by internal dissensions. Notwithstanding this impodiment to the prosperity of the kingdom, the Minig Society of Athena has made many researches into the mineral resources of the various districts and islands, and have been most successful in their discoveries. It has been ascertained, that iron, copper, lead, and even gold and silver, ores, exist to a very large extent in many parts, and also coal of an excellent quality. These discoveries are likely to lead to meat beneficial results—as a company, chiefly composed of French adventurers, and a few of the leading men, obtained, through the influence of the late M Coletti, a concession from his present Majesty, King Otho, to explore and work certain portions of the mines reported to exist by the members of the Society of Athena. In the early ages of mining-enterprise and science, Egypt, Asyxia, Persia, the Caucaus, Asia Minor, Greece, the Islands of the Mediterranean, Styria, and Iberia (Spain), were the first countries where mines began to be explored. In the reign of Augustus, rooll was chiefly obtained from Upper Egypt, Transylvania, Asia Minor, Galenterprise and science, Egypt, Assyria, Persia, the Caucasus, Assa almor, Greece, the Islands of the Mediterranean, Styria, and Beria (Spain), were the first countries where mines began to be explored. In the reign of Augustas, gold was chiefly obtained from Upper Egypt, Transylvania, Asia Minor, Gallies, and the Asturias; silver from Greece and Spain; copper from the environs of Constantinople, the Island of Calypso, Rio Tinto (in Spain), the Oural and Altai Mountains of Russia, and the Abruzzi of Italy; iron from the Island of Elba, Styria, and Biscaya (Spain); lead from Spain and England; tin from Cornwall and Wales; and quocaliver from the celebrated mines of Almader and Ephesias in Asia Minor. In consequence of the changes and neutralina by invaders, who have Isla the countries in waste and desolation, mining has, for coenturies, been lost to these parts, once so flourishing and rich in mineral wealth. The 19th century promises to restore that vast source of industry by the progress made in scence and peace, which has reigned for more than thirty years in Europe, thereby giving the means of developing their bidden resources. In Egypt, Turkey, and Persia, experienced mining ongineers (French and Austrian) are making very important discoveries, as to the mineralogy of those nearly lost metallic riches of the East; and companies are projected to restore them once now to their primitive renow. The mines of enercy incide Island of Naxos, are now creating considerable sensation, particularly among French mining speculators, in consequence of sales by acution, at Athena, on the 21st inst. (old style), of 30,000 cantams (1730 tons) of the emery stans, now lying in heaps on the beach (as advartised in the Mining Journal of the 25th ult.) We also, in a paragragati in the same Number, stated, that a gentleman in Iaverhool leased these mines for 18 years, and made a large fortune by them; the Government, seeing his success, are now working on their own account, hoping to realise the profit to themselves, and thus is t REGISTRATION OF DESIGNS ACTS. & THEIR AMENDMENT.

The laws regulating the proprietorship or copyright in designs, unlike those on patents, are altogether of modern growth, and, in dealing with them, we have not the advantage, as in the former case, of reference to the forensic learning of bygone times, from which to frame an exposition

shints shall fully develops their merits and defects, but we have to rapple with modera Active Organisment, and to gish cut way through their dubious ground, unsided by the light of judical terms are the control of the literary or book-copyright—the first enactment respecting which occurs in the year 1710 (statute 8 Anna, c. 19), and was followed, in the raign of George II, by an Act of Parliament, conferring analogous rights and privileges on new engraving and prints (6 Geo. II. e. 8), and has been the first Copyright Designs Act, granting men. Next more follows the first Copyright Designs Act, granting may be and original pattern for printing lineas, cottons, calicose, or muslins, to commence from the day of first publishing thereof, which must be truly printed with the name of the printer or proprietor at each est of every such piece of linen (27 Geo. III., c. 88, cc.). Smillie ententents were made with regard to sculpture of the control of the printer or proprietor at each est of every such piece of linen (27 Geo. III., c. 88, cc.). Smillie ententents were made with regard to sculpture and the printer or proprietor at each est of every such piece of linen (27 Geo. III., c. 88, cc.). Smillie ententents were made with regard to sculpture and the printer or proprietor at each est of the entent of the provisions of former Acts, to all articles of manufacture, but are agards orwanestal designs or patterns only: this, however, not being sponders of the provisions of former Acts, to all articles of manufacture, but are grant orwanestal designs or patterns only: this, however, not being sponders, and the provisions of former Acts, to all articles of manufacture, but are pattern were unable to totain protection for their inventions, availed themselves of dispressions of the provisions of former Acts to the branch of the provision of

After registration, each struct to make the registration mark.

The transfer of property in a design may be effected, under the Act, by the simple process of signing concise transfer forms, or by legal documents—which, being produced to the registrar, accompanied by a copy of the design, he is to transfer the same in the register.

When registered, no other person than the proprietor may, during the term of copyright, apply such design, or any fraudulent imitation thereof, for the purpose of sale, to the ornamenting of any article of manufacture, or any substance, to which such design, or any fraudulent imitation thereof, shall have been so applied, after having received, either verbally, or in any substance, to which such design, or any fraudulent imitation thereof, shall have been so applied, after having received, either verbally, or in writing, or otherwise, from any source other than the proprietor of such design, knowledge that his consent has not been given to such application, or after having been served with, or had left at his premises, a written notice, signed by such proprietor, or his agent, to the same effect. If any party, or parties, commit such act, or acts, then for every such offence he, or they, forfoit a sum not less than 51, and not exceeding 30. (provided the aggregate amount be not more than 1001.), to the proprietor of the design pirated, which may be recovered—in England, either by action of debt, or on the case, or by summary proceeding, before two magistrates, having jurisdiction where the party offending resides; and, to enhorce payment of pounlty and costs, the magistrates may grant a distress warrant. In Scotland, by action before the Court of Session, in ordinary form; or by summary action, before the sheriff of the county. In Ireland, by action in a superior court of law, at Dublin, or by civil bill, in the Civil Bill Court of the county or place where the offence was committed. Costs may be given to the alleged infringer, if he prevail, at the discretion of the Court.

The registree may proceed by action for damages, if he should so elect. In case of fraudulent registration, the transfer, or cancellation, of the design, may be effected by a court of equity, upon application, and proof thereof, by rightful owner. The mark denoting a registered design, muss not be used upon an article not registered, or of which the registration has

expired, under a penalty not exceeding 5l., recoverable as above. No action, or proceeding, must, however, be brought later than 12 calender months after commission of offence. To carry the Act into execution, provision is made for a registrar and staff of officers, and his duties enumerated; he, or his departy, is to give to every registree a certificate of entry made on the design, or copy, under his hand, and the seal of office, which is primâ facie evidence, as to validity of the copyright or proprietorship. The inspection of designs whereof the copyright has expired, is allowed to any person paying the proper fee; but, with regard to copyrights still in force, inspection is not allowed to any person other than the proprietor—it being arranged that any person applying to the registrar, and producing the registration mark, may receive his certificate, as to the result of search; but shall not be permitted to search himself. The Act then winds up in the usual manner. These are the most important features of the law of copyright of designs as it now stands. The points of difference, as regards designs for articles of utility—to elucidate which is the main object of the present papers—will be reserved for a future Journal.

**Palent-office and Designs Registry, 210, Strand, Oct. 5.

Original Correspondence.

SULPHUR—IMPROVEMENTS IN SMELTING.

SIR.—Your correspondent, "Observer," in attributing the formation of the sulphur deposits of Iceland to the decomposition of sulphuretted hydrogen, has given us a solution perfectly agreeable with well-known and long-observed phenomena. The facility with which highly-heated steam separates the sulphur from metallic sulphurets, leaves little doubt but that it is the agent, aided by the intense chemical action going on in the interior of the earth, by which the sulphuretted hydrogen is produced, and which is a gas so exceedingly prone to decomposition, whose elements are held together by such feeble affinity, that simple admixture with the atmosphere is sufficient to destroy their union, and cause a deposition of the sulphur. But I beg, respectfully, to draw "Observer's" attention to the large share of duty sulphureous acid must necessarily perform in bringing about this change—it always forming, as well as sulphuretted hydrogen, one of the products of volcanic action, and a substance which possesses far greater power than atmospheric air in effecting this decomposition, it being impossible for the two gases to remain mixed one instant, without their elements re-arranging themselves according to their affinities—viz.: as sulphur and water. The manner in which the sulphur deposits of Iceland are formed, and of which the same may be said of other places—as Sicily, &c.—affords a beautifully instructive lesson how man, when he is placed at a distance from these localities, and possesses native sulphurets, may, by imitating the operations of nature, derive all the advantages the extensive use of this mineral is so well calculated to confer. I have previously shown the arrangements necessary for this branch of manufacture, and that the amount of fuel required would be trifling, when we consider the low temperature at which the decomposition takes place—a red heat being amply sufficient—while the chilling effect of the steam can be overcome, by heating it as air is heated for the "hot-

Cornhill, Oct. 5.

DOUBLE-ACTION PUMP.

SIR,—In answer to the inquiry of Mr. W. Bradbury, of Budley-green Colliery, Congleton, in the Mining Journal of the 2d September, we beg to state, for his information, and for that of your readers generally, that we have at work two 6-inch double-action pumps, making a lift each way; the water, both above and below the bucket or plunger, flowing through one set of pipes. They work better, and are superior to any we have had in practice before; and, for convenience, power, and economy, a great saying will be found. The pumps were made by the Oak-Farm Company, near Dudley.—Jones and Oakes: Ketley's Coal and Iron-Works, near Dudley.

Oct. 1.

ADCOCK'S SPRAY PUMP.

Sire,—I know not whether it be fact or not, that "facts are public property," but one thing I do know is, that "facts are stubborn things;" and, with all due deference to the defence of the spray pump, by Mr. Reginald T. Blewitt, M.P. for Monmouth, I must decline the reception of his eulogy as a fact; but still retain, as I always have done, but now stronger than ever, the idea that the publication of the real relation of power employed to duty performed, or, in other words, how many points of woster are lifted per minute through a given beight (the height of the lift at Llanhiddel), by 84 lbs. of coal, employed in actuating a given wolume of air to blow up the said water, will prove as serious an obstacle to successful culogy of the spray pump, as Mr. Adeock's attempt, at Newton-Wood Iron-Works, to smelt iron ore, by the mere draught of a chimney shaft. What can be more suspicious than that, whilst Mr. Adeock, in his pamphlet, is regaling us with a scientific detail of dynamic units, as elaborate as could be wished, he never so much as hints whether 1 lb, weight of air will carry up his pipe more or less than its own weight of water, nor whether an addition to the usual friction of pumping is not presented in the loss of power due to the high elasticity of air, to flow with a velocity equal to the gravitation of water-drops, ere any lifting effect can begin, as also in the resistance which a column of air + water of the density of water—2 (which the spray will about be), meets with in the conduits used for its conveyance.

I invite Mr. Adeock to this exhibition of facts, as the fairest way to establish his own scientific character and honour. We all know that he has a scientific constitution of mind; and, therefore, he must excuse me (champion, as I am, in the cause of fact) when I say, that it is not seemly in a man of science to garble or disguise a fact. In addition to the velocity of air of various elasticities, and to the terminal velocities of drops of water, we must have the density of the spray, its ve

ADCOCK'S SPRAY PUMP.

Sin,—I trust that you will allow me space for a few remarks in your valuable columns, by way of rejoinder to Mr. Blewitt's distribe of the 29th ult. I believe that I am entitled to the favour, not merely with the view of vindicating my judgment upon a matter so peculiarly within my competence as is the success, or mon-success, of "Adocek's apray pump," but likewise for the of vindicating my judgment upon a matter so peculiarly within my competence as a the success, or mon-success, of "Adock's spray pump," but likewise for the purpose of resutting, as publicly as they were made, certain inuendoe of the honourable flember for Mommeths, which the temperate tone of my letter to a "Rhondad Collier," inserted in a former Journal, renders wholly unjustifiable. I gave that gentleman, tierein, every credit for his enterprise and spirit; I even remarked, that it was a source of regret ins not having met with the success that he deserved. Little did I anticipate Mr. Blawitz response to such a kindly sentiment. But, alsa's such is the power of interest over aimost every mind that no one is long without anger in the maintenance of a position, however untenable, that is ardenly wished to be true; or without some dispant plea or other to justify any undertaking which has been dictated by love of novelty and inclination. Nothing, indeed, short of the subtle sophistry of Desire, can explain the bitterness of Mr. Blawitz's invective, distinguished, as it is, by grossness and personality. Error is over in its nature compendious, which partly accounts for the marriellous levity of this gentleman's assertions, which he would fain have his readers receive as conclusions. I would put down two of these is himme. The inventor of the spray pump is wholly unknown to me. My animadiversions were elicited by inquiry: they applied exclusively to his invention, and not to Mr. Adocek. The Victoria from-Works were alluded to per pareashes, as it were; the public papers having announced that the "spray pump" was there to be introduced, the "Rhondad Collier," in his latter from-Works were alluded to per pareashes, as it were; the public papers having announced that the "spray pump" was there to be introduced, the "Rhondad Collier," in his latter to me, made inquires as to the fact. Having thus satisfactorily removed out of the way the two points which are triclevant to my present object, allow me to proceed. Vere c

public with his succeyveind effeatons. It would be to no purpose, however, to rise from the consideration of his style to the subject-matter of his letter. It is only when the consection is duty enthylated little courtoey and merelly colors, and that gentlemes scorated to the constitution of the courtoey and merelly colors, and that gentlemes scorated which there is no necessity to minutely delinease: I ampoon, itself, would score to speak which there is no necessity to minutely delinease; I ampoon, itself, would score to speak which the ways of justice, were also not proverticily blind, would, I believe, have been, within notwithstanding the mutability of fashion, happens self! to operate on many thristing, sober-minded, people. In the opinion of such, there are ecomircicilies that not event youth to round, it was not to the speak of the court of the

ON THE EXTRACTION OF SILVER.

ON THE EXTRACTION OF SILVER.

From the numerous researches, which the authors have made out a large series of specimens from different parts of Europe, they have inferred the general fact, that all metallic compounds which accompany or are found near argentiferous minerals contains more or less silver—so that they deem it an established fact, that silver is probably one of the most widely-diffused metals in nature.

The researches of the authors have been made on sulphurets, arseniurets, arseniurets, arseniurets, arseniurets, some metallic oxides, and even native socials. This fact being established, the mode in which the silver exists occupied their attention. As the subject appeared a difficult one, it was simplified by inquiring in what state the silver existed in galena, blende, and pyrites, and they, supposed it could exist only in the native state, as chloride or sulphanet. Experiments appeared to show that, in these sulphurets, the silver is not in the metallic state; and experiments still more numerous and decisive seemed also to prove that the silver could not be in the state of chloride; and, on this occasion, they remarked a circumstance which has hitherto excaped the observation of chemists:—They found that all metallic sulphurets, properly so called, and even some arseniurets, possess the property of decomposing a certain quantity of chloride, or bosmide, of silver. This decomposition is effected more or less slowly when contact is effected merely by water; but it is produced much more rapidly, and in some cases even instantaneously, when the chloride, or bromide, of silver is in solution. By comparative trials the authors succeeded in determining the decomposing power of a great number of sulphurets, and several arseniurets.

100 of sulphuret of zinc deco

arseniurets. Thus—

100 of sulphuret of zinc decompose 3 of chlorida of silver

100 cadmium 14 ""

100 bisnuth 2 ""

100 protosulphuret of tin 3 ""

100 protosulphuret of tin 30 ""

100 protosulphuret of tin 30 ""

100 protosulphuret of copper 360 ""

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mil of 183 of a the gran proof from fit. lotn poin have valu of 10 in th

Bridge Building.—Mr. T. Motley has just published two beautiful engravings, descriptive of his system of suspension and compound wrought-iron bridges—they make very pretty views, and are well worthy framing for preservation.

Wirrow Park Iron-works.—The make of the three furnaces at these—the property of Messrs. Bolckow and Vaughan, of Middlesborough-on—for the week ending Oct. 2, was 464 tons of good forgo-iron. The furnare under the management of Mr. John Williams.

THE SILVER AND GOLD MINES OF THE NEW WORLD. BECOND PART.—ON THE FUTURE PROSPECTS OF THE MINES OF AMERICA COMPARED WITH THOSE OF TUROFE. NO. VIII.

In 1774, whilst some repairs were being made in the mine of Klutchefsk, a deposit of auriferous sand was discovered, part of which underwent washing the next year. About 1813 other discoveries of the same kind took place; but it was only in 1823 that the workings now carried on were commenced. They are in beds scattered through the mass of alluvions of sand, which compose the soil of Northern Asia and Europe. The form and richness of the auriferous beds varys greatly. The beds are in general oblong zones, the width of which is only the twentieth part of the length in the greatest (those of 500 metres), and of a twelfth in the least. They are disposed in smaller or greater numbers, sometimes on arid table lands, sometimes by the side of rivers, or in marshy places. Their thickness sometimes is not more than 20 centimetres, but it often approaches a metres, and, on some points, is even more. Some are worked which do not contain in weight more than a 400th of gold, which supposes a proportion eight or nine times less in volume. Some, however, are found which have 20 and 50 times as much. Gold is disseminated insuch small quantities in the midst of the sand and gravel, that the sharpest eye, even with a strong magnifying glass, would seek in vain to perceive it in the cutting of the beds but, neverthaless, it is there found in the metallic state, free from all combination.

In the midst of the mass of mountains some voins of quartz are found, in which gold shows itself in sufficient quantity to make it worth while to work them; but the gold thus obtained forms only an imperceptible portion of the total production. It is at Berezofsk that this working is more particularly made.

At more than 2000 kilometres from the Onrel in the heads of Eitherich took place; but it was only in 1828 that the workings now carried on

tion of the total production. It is at Berezorsk that this working is more particularly made.

At more than 2000 kilometres from the Oural, in the heart of Siberia, the valleys of auriferons sand are worked in the midst of other metallurgic riches. The chain of the Alai, more extensive than the Oural, and with more elevated heights, covers a great space in Asia in the Russian possessions, and at the limits of the two empires, of which one obeys the Czar, and the other the Son of the Heavens. In the midst of these barren mountains, mines of silver, and other metals, have been worked for a long time. tains, mines of silver, and other metals, have been worked for a long time. So far back as the seventeenth century, an industrious Greek presented the Cara with some lingois of silver, which he had obtained from them. The working for gold is much more recent, dating only from 1830. In the Altai there are two mineral divisions; the region of the Alataou Mountains, which is very spacious, and in which a great deal of gold is obtained; the other, which is much farther to the east, at the extreme confines of Siberia, is that of Nertschinsk, in which are the auriferous sands, which at present are very productive. The country also possesses mines of lead, with silver, of tin, of iron, and besides precious stones are found; but, unfortunately, the climate is very rigorous, the average temperature being 3° centrigrade below zero.

present are very productive. The country also possesses mines of lead, with silver, of tin, of iron, and besides precious stones are found; but, unfortunately, the climate is very rigorous, the average temperature being Scentrigrade below zero.

In 1829, M. de Humboldt, at the head of an expedition organised by the Emperor of Russia, traversed the regions of the Altai, and an intropid and learned traveller, M. de Tchihatcheff, after a painful journey, has made known the most savage parts of them, by a work, which has justly been remarked by the scientific world. These regions offer an infinite field to the arts of metallurgy. To confine ourselves to what concerns the precious metals, gold is found in far more extensive deposits than in the Oural. The richness is, however, nearly the same, or, to speak more correctly, the same rarity of gold in the midst of the sand. When gold is referred to, it is connied in Siberia, as everywhere, in the Altai, or in the nearest mountains to China, by fractions of \$\frac{100}{1000}\$, the gold obtained is, however, greater in value than the cost of obtaining it. The beds of surfierous alluvion of the Altai, like those of the Oural, and other countries, which produce gold, are often covered by a certain thickness of other sands, which are sterile, and which it is often necessary to remove, whereby the cost of extraction is increased. Even, however, with all this expense, the deposits are attacked with success by the mechanical means furnished by European science. The extraction of gold has given in certain cases snormous profits, like the silver mines of Mexico. The vulgar, dazzled by the brilliant fortunes which it has seen all at once arise from the working of auriforous analog, took a passion for this description of industry, without giving itself the trouble to count the seekers after trensures who were raised thereby; and it is thus that the motallurgic workings in the Altai have taken even greater development than those in the Oural, the Altai Mines were worked. The workin

since 1823, was converged to the production was not be subjected it gradually increased.

The official results of the washings of gold in Russia, during the last 10 years, are set forth in the following table, which I owe to the complaisance of M. de Botowski, official agent at Paris of the commercial and financial administration of the Russian Empire:—

This are now beauties	Belongir		To private l	trictual		
Years, HAMAGA,	From the Oural Mountains.	From Siberia.	From the Oural Mountains.	From Siberia.	Total.	
A C. Propulati saund	Kilogs.	Kilogs.	Kiloga.	Kilogs.	Kiloga.	
1836	2108	338	2690	1384	6520	
1837		427	2924	1751	7248	
1838	2160	458	2757	2706	8081	
1839	2294	389	2780	2612	8075	
1840	2197	538	2691	3548	8974	
1841		477	2708	5263	10,597	
1842	2134 1	620	2655	9469	14,878	
1843	2251	693	2891	44,504	20,889	
1844		755	2841	15,088	20,910	
1845	9926 2121	862	3237	15,147	21,367	

But the gold referred to in the preceding table is not pure; it contains 12 per cent. of alloy, almost all of which is silver. On the other hand, the duty of 20 or 25 per cent, which is levied for the profit of the Crown, causes private individuals to dissimulate, as much as they can, part of their production. Mr. M'Culloch, in his Commercial Dictionary, under the article "Precious Metals," estimates the proportion of gold which thus finds its way to the general market at a fifth of the declared production. We will admit that estimate.

Siberia also contains mines of silver, which have been long known. In the Altai there are several mines of silver, of which the finest were in activity in 1726, thanks to the industry of Akenfi Demidoff, chief of the family, which has so much contributed to bring into use the mineral riches of the Russian Empire. Since the commencement of 'the works, up to 1835, they had yielded, according to official documents, 1,141,817 kilogs, of silver, from which were extracted 31,122 kilogrammes of gold. During the 16 years, from 1823 to 1838, the mines of Altai yielded 240,855 kilogrammes of silver, or, on an average, 15,053 kilogrammes. The present production is estimated at 16,360 kilogrammes. These mines are curious from the extreme poorness of the ore, which, however, is treated with profit. The most favoured of them, those of Zerianofsk, contain only 4½ solotius per pond, or 117 in 100,000—that is hardly an atom beyond the point at which the Mexican ores cease to be treated, and those of Palairak have only a yield of from six to seven times less, exactly 184 in 1,000,000. They are treated by fusion, which supposes a combustible of which that out of 100 parts of silver contained in the ore 35 are lost. More to the east, in the circumscription of Nertschinsk, the working of the mines of silver, formerly carried on by the people of Finnish race, was resumed by the Greeks at the commencement of the eighteenth century. It is calculated that, from 1704 to 1838, they yielded 223,783 kilogrammes of silver, which furnished 1132 kilogrammes 8; a Sussian pound, of 40 to the pond, 41 grammes; 1 solotius, of 86 to time pound, 4 decigrammes. A pend is 16, kilogrammes 28; a Russian pound, of 40 to the poud, 41 grammes; 1 solotnik, of 96 to fine pound, 4 decigrammes.

1823 to 1838, in 16 years, it was \$4,082 kilogrammes, or, on a yearly average, 3360 kilogrammes. The years ago, it was estimated at 3767 kilos. During the decennial period, which closed 31st December, 1845, the silver mines of Russia yielded, according to official returns, 199,449 kilogrammes of silver, and 5815 kilogrammes of pure gold. The production has varied little from year to year, and the oscillations being sometimes an increase, sometimes a decrease, indicate a stationary state.

The production of the Russian Empire, calculated, according to 1845, the last year for which returns have been made, is as follows, allowance being made for smuggling, one-fifth for gold, one-tenth for silver:—22,564 kilogrammes of pure gold, of a value of 77.770,000 fr.; 20,731 kilogrammes of pure gold, of a value of 77.770,000 fr.; 20,731 kilogrammes of pure silver, 4,600,000 fr. —total, 83,370,000 fr. But this production is not stationary for the most precious of the two metals. The extraction of gold in 1846 appears to have considerably exceeded that of 1845.

The treasure furnished by the Russian Empire, since 1823, for gold, and since the commencement of the eighteenth century for silver, amounts to 217,534 kilogrammes of gold, which is equivalent, according to the Tariff of the French Mint, to 750,000,000 fr., and to 1,831,544 kilogrammes of silver, or 407,000,000 fr. The total sum is 1,157,000,000 fr. Compared to what has been yielded by the mines of America, is is 7½ to 100 for gold, for silver almost a parcel—one hundredth and a half, and for the whole a fraction beyond 3 per cent. silver almost a parcent. ction beyond 3 per cent.

THE GREAT WELSH COLLIERY CASE.

IN THE MATTER OF THE ARBITRATION RESPECTING THE MOSTYN COLLERARS
NORTH WALES,

[Continued from last over a Mining Journal.]

THE GREAT WEISH COILLIERS,
NOITH WALES.

[Continuel from that works Mining Journal.]

Ift. W. N. Welen's stated that, with the consent of the plaintiff's coursel, he would at once proceed to examine his witnesse, and reserve his remarks till the condent has once proceed to examine his witnesses, and reserve his remarks till the condent the sponter.—This arrangement having been accoded to.

George Johnson, of Nowcastie, was called and examined by Mr. Welen's —Health of that he was a required or and proplems; he had examined by Mr. Welen's —Health of that he was a required or and proplems; he had examined the Mesty agarismen for the results had subsided entirely: there was no indication of its being in subton. The parts which had been crushed were, it many parts of the mine, now cleared up, and a good horse-road made through. Timber had been placed to prop up and support the works. The expense of continuing this mode of repair would be very small—not more, with labour and undertail, that 15s. a yard. In his judgment, the crush was no important to the working the mine and the whole of the coal could be very small—not more, with labour and undertail, that 15s. a yard. In his judgment, the crush was no important the creep of last Getober. He had noticed the walls, fillars, and wickots, and he considered them sufficiently strong. Generally, the mine was in good condition. His opinion had been jorned as to the cause of the creep of a subject to the coal was good and the creep of last Getober. He had noticed the walls, fillars, and wickots, and he considered that such water major had been placed to the coal was got and the creep of last Getober. He had noticed the walls, fillars, and wickots from 4t to 5 yards: these courses of the coal was got and the very such as a such desired that such water major has very such as a such such as a such such as a su

If the block left after the crush of 1838, had been left to check the creep, tehendd, it 1446, still have worked it; but I consider this had nothing to do with the crush. I did not examine this pump, to see if the waives were lested.

William Barces, of Durbam, examined by Mr. William, William Barces, of Durbam, examined by Mr. William, William Barces, of Durbam, examined the Mostry Mines for the defendants. He considered the creep of October had caused no impediment to the working of the coal that was to be won. Had the block of coal left after the creep of 1838, not bean touched, the creep would not have been prevented—that had no connection with the working of this plees, but was produced by water acting on the soft floor. Considered the creep could be worked through at an expense of 10s. to 18s. a yard. There was not too much coal got in the works which he examined: his reason for saying so was, because the works steed. Creeps are very common to coal mines: they are not to be foreseen. The mine must be opened out before a correct knowledge can be had of the quantity to take. The present engine power was quite sufficient, and the new winning is quite unnecessary. He fasted the water, but said it did not come from the sea, but had reated in bags in the fissures, of the sandane, above the top seam of coal. It is not sea water that is in the maine. He considered it not injudicious to work from the crep. His experience was, that the whole of the coal consused for collisery uses, by the workmen, officers, and agents, and in their houses, was allowed free of royalty. As to the lessees' coal, he could not speak. Cross-examined by plantiffs Arrowax.—In the case I have spoken of, about coal being allowed, there was one exception in the legse; it was a matter of agreement between the parties. I have never known the case of working through a creep which is under a river. I think there is no difference between working through a creep which is under a river. I think there is no difference between working through a creep

George Elliott, of Belmont, called and examined by Mr. Atherrox.—Is viewer and manager of Belmont, Leasingthorne, Monkwearmouth, and Ashworth Collieries. Has had very great experience in managing collieries. Surveyed the Mostyn Collieries for defendants. The creep had unbeided. Has known much of creeps during his experience, and has worked through shem. Quite hamilar with the mode. Has one at this moment under his superintendence: he had purchased it, with the intention of working the crushed pillins. It only costs 3s. 6d. and 4s. 6d. a yard to clear through a crush—the timber 2s. 6d. a yard more. The working of the block left at Mostyn after the crush of 1828, had nothing to de with the creep. The case of the crush was, that water had asted but the floor, and made it so soft, that it could not sustain the weight. The water had come in secidentally. Has known many creeps brought on by water acting out the floor: that was the cause in witness own colliery. A creep does not denote unskiffful working. Could not see that taking away too much coal had caused this creep. What when the surface: It was all, but, in his judgment, had proceeded from the strate of stone overlaying the caused consultation and considered it had not come from the surface: It was sail, but, in his judgment, had proceeded from the strate of stone overlaying the caused consultation of the mine. The water was a pool, formed by rain, which had fallen into a small depression. The mane is 12 fathoms deep. It is every-day practice to work through crushes, as stays as possible. The engine is able to do more work than is put on her. I think, look the mine. The water was a pool, formed by rain, which had fallen into a small depression. The mine is 12 fathoms deep. It is every-day practice to work through crushes, as stays as possible. The engine is able to do more work than is put on her. I think, look the mining from the deep: my experience proves this to be the bost, particularly under a river. The mines have been worked in a fair, proper, and workin

creep. If it could be discovered, that in some places the pillaw left at Mostrn were thinner than those I examined, and a creep fellowed, that might be a cause. I do not know the s so of the pillars that were left in the parts that are creep. He had compared the water in the mine with the sean above, and said there was some similarity, but there was a dissimilarity. Considers the water came from the stone—can't say specifically which stratum. If the water in the mine should be sea-water, I can give no account for it comes there. I have often known freestone to contain large quantities of water, had had been seen to come there. I have often known freestone to contain large quantities of water, had had been the form the creep is 800 gallons a minute, this has been the forest minute, and it has continued now nearly a year. I think the freestone contained all this water—may be from a brine spring. I am concerned in a case at Pulkinfield, or damaging a chapel, from under which the coal has been taken. When I measured against plaintiff a plans, I took down the quantifies. I have lost the book, and cannot produce the Mr. Thomas William Jobling, of Jarrow, examined by Mr. Wigsser,—Witness stated, that he is manager and part owner of Jarrow (collery. Had had considerable experience. Had examined the Mostry Colliery for the defendants. The creep of last October had, in witness's judgment, quite substided: no barm had been done by it to the colliery, and the crushes could be cleared up and worked through at a very triling cost. The mines, in their present state, present no obsfacle to the winning of all the coal that is yet ungul. Examined the works which were upstanding, and considered from their condition, that ecough coal had been left to support the roof and works. He considered the works which were upstanding, and considered from their condition, that ecough coal had been left to support the roof and works. He considered the working of the block of each left after the crush of 1828, to have had nothing to do with the

see whether the safety-valves of the engines were loaded. I have no means of knowing that the water has decreased since the crush began. We did not go up into the works—we went along the cross, where it has been opened and timbered up.

William Armstrong, of Nowcastle, called, and examined by M. William X.—Wilness is a coal-viewer, and is manager of Lord Howden's Collidery. Is viewer of 20 collibries for the Dean and Chapter. Has had considerable experience. Had examined the Mostyn Collideries for the Dean and Chapter. Has had considerable experience. Had examined the Mostyn Collideries for the defendants. Found that the creep had quite subsided—not the slightest symptom of motion existing. Examined pillars which were upstanding and sound, and had measured their preportions, and considered enough coal had been left, and not too much excavated. There is no difficulty in clearing a road through the creep, and working the coal beyond as well as ever. My judgment of the creep is, that there might be joints in the stone. Thought the working of the block left in 1838, had not the semoster comment of the coal being acted upon the water when the creep, we but the ordinary slipping of the root. Witness considered that, if it had taken place throughout the mine, the security of the works would be very much increased. In my judgment, the floor of the coal being acted upon by water, would become softened, and yield to the pressure. Witness said, he had formed no opinion of the causes of the creep of 1846. If the pillars were left thinner than I understood them to be, and water came through, and a fault rain in the district, there would be enough to produce the creep—but I am at a loss to conceive how the creep arose. If the pillars had been left thick enough, and the water had come from the state overlying the top coal, and did not come from the sea. The water contained sulphate of hydrogen—there was also sulphate of iron. Has often found at water had come from the state overlying the top coal, and did not come from the se

By Mr. Cowers,—I dislike a creep under a river, it is considered by Mr. Werany.—Witness is a coal-viewer, of 16 years' experience, and is check-viewer of 3ir John Hanmer's Cellery, on the Dec. Had examined the Mostyn Collieries for the defendants, and considered they were properly worked. He had found inaccuracies in the plaintiff's surveyor's plans, and pointed them out. The creeps had subsided no harm had been done to the colliery. The remedy of working through the creep was simple, and cheap. Was sure that was sufficient, and no now winning was requisite. On the Dec, coals used by the workpeople, and two colliery purposes, are free from royalty it is so stipulated in the leases. Has seen them. Allowance is made out of the royalty, for the expense of a himment.

the leases. Has seen them. Allowance is made out of the royalty, for the expense of shipment. By Arbitraroa.—I have attended to Sir John Hannier's colliery seven or eight years, during my time there has not been any creep there.

John Jones, of Bagült, called, and examined by defendants' Attoning: —Witness stated; that he is underground agent at the Colciebill Colliery, on the Dec. Had been a collier? I years. Had examined the Mostyn Collieries for the defendants. Considered they had been properly worked, and that more coal had been left than in his colliery. He said, that he saw no creep in the mines, and considers there is no impediment to the factor working of the colliery, without a new winning—this he control quite mostical dec. Cross-examined by plaintiff's Attoning.—At the colliery, Lapeak of, where I was comployed, we only worked one seam of coal ander the sea. There were other seams, but they were not worked. No creep came there. Our object in working only one seam, that was to prevent a creep.

[The conclusion of the case will appear in next week's Journal, accompanied by some editorial comments.]

IMPROVEMENTS IN GAS METERS.

specification of patent granted to Thomas Edge, Great Peter-street, Westminster, in country of Middlesex, gan-meter manufacturer, for his invention of improvements in manufacture of gas-meters...—Neutows London Journal.

It is well-known to gas meter manufacturers that the metal of which meters re usually constructed is liable to be injuriously acted uponby the gas, or cer-

are usually constructed is liable to be injuriously acted uponby the gas, or certain matters that come over with the gas, which passes through the meter. It is also known that some of these destructive agents, such, for instance, as the ammonia contained in the gas, act more energetically in the presence of moisture than otherwise, as water takes up the ammonia; and when a solution of ammonia comes in contact with the metallic parts of gas meters, as usually constructed, a voltaic action between the parts is induced, and the rapid destruction of the meter ensues.

The object of this invention is to prevent, or at least very materially to retard, the destruction of gas-meters from these causes; and for this purpose the patentee prepease to construct meters of plate-iron, which has been previously coated with metals (or an alloy of metals), capable of resisting the chomical action above mentioned. The metals, or alloys of metals, employed. The patentee does not, therefore, restrict himself to the use of metals coated by any particular process or processes; but he prefers to use plates coated in the maner or by the process described in the specification of a patent granted to Mr. E. Morewood, August 27, 1841, or that described in the specification of a patent granted to Mesars. Morewood and Rogers, May 4, 1843. Or, he sometimes employs plates coated with an alloy of metals, consisting of equal parts of zinc and tin, or an alloy of which these or either of these metals form a component part, by the process described in the specification of a patent also granted to Mesars. Morewood and Rogers, December 7, 1846.

It should be remarked, that it is important to make all the internal metallic parts of a water-meter of one and the same kind of metals, so that no voltaic action may be induced between the several parts; the internal solid parts of the meter should therefore be made of an alloy of metals, bearing some analogy to the coating of the plates of sheets of iron of which the case is constructed.

parts of a water-meter of one and the same kind of metal, so that no voltaic action may be induced between the several parts; the internal solid parts of the meter should therefore be made of an alloy of metals, bearing some analogy to the coating of the plates or sheets of iron of which the case is constructed. For this reason, therefore, all the solid parts of the meter which are liable to be injuriously acted upon by the gas, or which come into contact with the water in the meter, are constructed of an alloy of metals, consisting principally of zinc and tin, in equal or nearly equal proportions. The proportions of this alloy may be varied, and other metals added, for the purpose of altering the hardness of the alloy, as is fully explained in the specification of Messra. Morewood and Rogers' patent of December 7, 1846; but, as a considerable degree of hardness is required for some of the parts, such as the spindles and wheels, the proportion of zinc ought to preponderate. For the purpose above-mentioned, an alloy consisting of from 50 to 70 parts of zinc to from 50 to 30 parts of tin, will be found to answer the purpose.

The patentee states, that he dees not intend to claim the exclusive right to use, for the manufacture of gas-meters, plates of iron coated with tin or zinc only, as plates so prepared would act answer the intended purposes; but he claims the application to the manufacture of gas-meters of plates or sheets of iron prepared with a coating of tin, and then a coating of zinc, or with an alloy consisting of zinc and tin, or other metals, an above set forth; and he claims also making the solid internal parts of gas-meters of an alloy of metal, having zinc and tin as the basis.

THAMES TUNNEL COMPANY.

The number of passengers who passed through the Tunnel in the week sading Oct. 2, was 18,080; amount of money, £75 cs, 8d.

eops occur. A quarry of white marble, of a quality fit for the sculptor, has recently been to cause of discovered at Gabas-Large, near Pau.

Proceedings of Public Companies.

MESTINGS DURING THE ENSUING WEEK.

Mosphay Demerars Railway Company—London Tavern, at One.
Arjum Life Assurance Company—offices. At Two.
Wednesday ... Copper Miners in England Company—offices, Two.
TRUBSDAY ... Mayal Mail Steam-Facket Company—offices, Two.
TRUBSDAY ... Royal Mail Steam-Facket Company—offices, at Twelve Southwark and Vauxhall Water Company—offices, at Twelve Southwark and Vauxhall Water Company—offices, at One.
Great North of India Railway—offices, at Twelve for One.

[The meelings of Mining Companies are inserted among the Mining Intel

LLYNVI IRON COMPANY.

An extraordinary general meeting of proprietors was held at the offices, Moorgate-street, on Wednesday, the 6th inst.—Dr. Bowning, M.P., in the chair.—The advertisement convening the meeting having been read, the Chairsman stated, that the object of the meeting might be gathered from the advertisement just read, which was to empower the directors to borrow from time to time, as their exigencies might require, any sum, or sums, of money not exceeding 50,0004, in addition to the aggregate amounts mentioned in the 93d clause of their deed of settlement; this being the only business before the meeting, a resolution to the above effect having been moved, seconded, and carried manimously, a vote of thanks was passed to the chairman, and the meeting separated.

PATENT GALVANISED IRON COMPANY.

An extraordinary and half-yearly general meeting of proprietors was held at the London Tavern, Bishopsgate-street, on Monday, the 4th inst.—Mr. Maluss in the chair,—when the report of the joint committee of directors and shareholders was presented; from this it appeared, that the works of the company had now reached the period of their utmost development, and that no further outlay would be required on that account. A deputation of the committee had visited all the works, and expressed themselves to be highly gratified with the state to which they had been brought. Owing to the increase of the trade of the company, and the pressure of the monetary crisis, it was stated, that it was desirable to extend the working capital of the company, and a recommendation to that effect was made to, and adopted by, the meeting. The directors accordingly were empowered to create new capital, to the amount of 100,0004; and to issue so much thereof in preference shares, bearing 10 per cent. interest, and redeemable at the expiration of three years, as they should deem the exigencies of the company required.—The meeting then separated, after a vote of thanks to the joint committee.

BAILWAY CALLS.

The following is a statement of the total amount of railway calls which are been made during the present year—showing the amount called up ch month, and distinguishing the English from the foreign companies:—

		CALL STATE OF THE PARTY OF THE	British.		Foreign.		Total.
alls	payable in	January	£4,457,968	*****	£1,662,000		£6,119,968
377		February			80,000	*****	1,534,881
	11	March	3,083,697		502,000		3,585,697
	90	April	4,313,439		40,000	*****	4,353,439
	99	May	2,965,344		514,000		3,479,344
		June	2,454,756		1,559,000		4,004,756
	10	July	3,894,545		1,032,000		4,926,545
		August	2,222,839		62,000		2,284,839
		September	3,325,874		800,000		4,125,874
		October	3,365,651	*****	92,360		3,458,011
	Seller Co. N				-		
		Control of the same of the sam	Ant sec 004		AC 454 460		

From the above, it will be seen that 6,334,360l, belong to foreign railways, and are, therefore, only in part payable by English shareholders—leaving 31,538,994l, as the actual amount called for by English railways.

PROGRESS OF THE RAILWAY SYSTEM. A

And are, therefore, only in part payable by English rallways.

PROGRESS OF THE RAILWAY SYSTEM.

THE GREAT WESTERN LOCOMOTIVE WORES AT SWINDON.

The policy which dictated the erection forthwith of the additional locomotive works that are now rapidly progressing towards completion at Swindon, and from the present imperfect operation of which results beneficial to the public and the proprietors of the lakes of the same wisdom which has secured to the company, at low per-centage guarantees, several of the lines in connection with the broad gauge system of rallways. Glancing at the future position of the company—is: when the Oxford and Rupy; the Berks and Hants; the Monmouth and Hereford; the South Wales; the Oxford, Worester, and Underlying the World Junction; size, when the Oxford and Rupy; the Berks and Hants; the Monmouth and Hereford; the South Wales; the Oxford, Worester, and Lordrigge; the Great Western and Wycombe; the Cornwall, Gloncester, and Forest of Dean; the Birmingham and Oxford Junction; and Birmingham, Wolverhampton, and Dudley lines shall be opened, it was seen that a tocomotive establishment far more extensive than stock with which the managers of the Great Western Company will then have to deal. The creation of large additional works at Swindon is inevitable—the outlay must be made works in real region of the great World Scale Period Was seen to be a matter of necessity; but the managers of the great Broad-gauge interests determined to construct the necessary additional buildings at once. Their motive for thus deciding was one of economy; for, on a calculation made by the practical men connected with the railway, it was accretioned to the second of the great Broad-gauge interests determined to construct the necessary deput, of the works and the existing lines, the awing of a sum of money particularly that will be predicted men connected with the railway; twas accretions of such as the production of the predicted men connected with the railway; twas accretions of the predicted production of the pr

The locomotives that have been built at the Swindon works, and now running on the line, are amongst the best ever manufactured in this country. Not only are they the most powerful in the world, both as respects their capability to deal with heavy leads and attain high velocities, but their manufacture may be said to be almost perfect. We have frequently been over the shops when the men have been at work, and have derived much pleasure from observing the great care with which all of them attend to the duties committed to their clarge. The norst scalenous attention is paid to their sprittual and moral welfare by a pain-taking and excellent clergyman; a well-selected library has been provided for them: a mechanici hastitution formed, and a cricket-ground opened for their ampacement; and the happy consequence is, that a more intelligent, industrious, or well-behaved body on mechanics is not, we believe, to be found in the kingdom.

A few weeks since we gave the quantity of coke barnt by the Great Britain eight-wheeled engine, with a train of 90 tons, travelling at an average speed of about 37 miles per hour between Faddington sell Swindon, with five stoppages. The quantity was as high as 51 lbs, per mile, but the train was very heavy—a strong wind prevailed during the change, and the velocity was very high. On Thursday we had an opportunity of ascertaining the classification of coke by the Fron Duke, one of the cight-wheeled class of locomotives, with a train of about the same weight as the one already allieded to, but travelling at an average velocity of only 37 miles per hour between Paddington and swindon, with five stoppages, and back with 60 tons at upwards of 25 miles per hour, with 16 stoppages, and we found the average consumption of coke over the whole lourner was nader 39 lbs, per mile. The Fron Duke has an 8 ft. diving-wheel, 18-la. cylinder, and 50 miles per hour, with 16 tons up from Swindon on Thursday, the driver cut of his steam at 9 m., and kept this time at the attainton with perfect case. We beli

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Reservance in Russea.—The works on the railway from St. Petersburg to loscow are being urged forward with extraordinary solivity. In addition to useful and worknee, 50,000 soldiers are employed, and the whole will be empleted in the course of the antumn of next year. The Emperor having acrowed of the line to be taken by the railway from Warsaw to Moscow, this have been given for the commencement of the works without delay.

URNAL, RAILWAY AND COMMERCIA

ON THE ARTIFICIAL PRODUCTION OF MINERALS, AND
ESPECIALLY OF PRECIOUS STONES.

M. Elelmen states, that the first results which he obtained related to minerals of the family of Spinelles. The method adopted by the author to effect the crystallisation of these compounds, is based on the property which boracic acid possesses of dissolving metalhe oxides in the dry way, and the volatility of this acid at a high temperature. It occurred to him that, by dissolving alumina and magnesia, mixed in the proportions which constitute spinelle, in fused boracic acid, and exposing the mixture in open vessels to the high temperature of a porcelain furnace, that the affinity of the alumina for the magnesia might cause the separation of a crystallised aluminate, and the expulsion of the boracic acid, and two parts of a mixture of alumina and magnesia, composed so as to constitute the compound Al² O. MgO; and from yg to yg of of birchromate of potash were added to it. The ingredients, well mixed, were placed on platina foil, in a cup of porcelain, and exposed to the highest temperature of the porcelain furnace of Sèvres. A product was obtained, the surface of which was covered with crystalline facets, and the interior contained cavities sprinkled with crystals the form of which was readily distinguishable with a glass. These crystals were rose-red, transparent, scratched quarts readily, and had the form of the regular octobedron without any modification. They were completely infusible by the blow-pipe. These characters, combined with the composition of the crystals as deduced from synthesis, appear to M. Ebelmen sufficiently conclusive as to their identity with spinelle.

By substituting the equivalent of protoxide of manganese for magnesia, acrystalline product was obtained. This products cratched quarts, and even topaz distinctly; it, therefore, possessed hardness, compared to that of natural crystallised cymophane. Certain silicates, which are infusible by the heat of our furnaces, appear also to

temperature than that required for their fusion.—Comptes Rendus, Aug. 16.

On the Physical Effects of A Jet of Steam.—On Tuesday last, Dr. Bachhoffner delivered an instructive lecture on this subject at the Royal Polytechnic Institution. A model was exhibited of the means, used for years past, of producing a current of air in the mines of different countries; it consisted of a long tube, with holes perforated in the side at certain distances, and having a chamber at each end; the tube being placed perpendicularly in the shaft of the mine, and a stream of water passing through, it caused a current of air to be drawn down through the holes into the mine. It had been erroneously supposed, that a portion of the water was decomposed in its fall, and formed air. Dr. Young made inquiries into falling water, but it was merely in reforence to sound. Mr. Davy was the first to investigate the laws of falling water, which he termed the lateral communication of fluids. In 1801, Mr. Boswell invented a blast for ventilation, and from which sprung the various modifications now in use—it consists of a tube, pointed at one end, conical at the other, which was placed in a perpendicular tube, so as to form the letter T, and put in such a position as to keep its conical end constantly to the wind—a current of air passed through with great rapidity, and carried with it the air within the tube. An illustration was also given of a highly important nature, which steam can now be applied to—namely, in producing a vacuum. A bone glass tube, filled with water, and having one of its extremities hermetically scaled, was brought in contact with a jet of steam, passing over the unscaled end, the water in the tube began to evaporate quickly, forming a vacuum in the tube; a similar experiment was tried with a large glass jar, but, in this case, it was merely connected by a flexible tube to the iron one, through which the steam passed—the air began immediately to leave the jar, and the water, in which it stood, began to rise.

Expension of a Loc

EXPLOSION OF A LOCOMOTIVE.—On the 21st September, Vienna was alarmed by an explosion like that of a powder-mill; the report was caused by a locomotive engine, which burst in one of the engine sheds of the railway terminus, from Vienna to Gloggnitz, where it had just been placed, on its return from Gloggnitz. A piece of the engine, weighing 6 cwts., went through one of the walls, passed over the Matziendorf burying-ground, and fell in the principal street in the suburbs of Vienna. The report of the explosion was so load, that the windows of several houses were broken; fortunately, this accident caused no injury to any person.

A BALLOONING IN BELGIUM.—We noticed, in our last Journal, the untoward Delcourt, the aeronaut, and respecting whom great anxiety.

BALLOONING IN BELGIUM.—We noticed, in our last Journal, the untown ascent of M. Dupuis Delcourt, the zeronaut, and respecting whom great anxions felt; he has, we hear, effected his descent in safety near Marienbourg.

was felt; he has, we hear, effected his descent in anfety near Marienbourg.

A letter from St. Petersburg, of the 21st Sept., says:—"On the 12th, at 5 p.m.

M. Ledet, a young Frenchman, ascended from this city in a balloon, and, from that hour to this—nine days—no news of him, or his balloon, has been received, except that, on the following morning, some men, who were fishing in the lake of Ladoga, saw a balloon floating in the air above the lake.—A letter, of the 23d, states, that no news had then been received of the æronaut; but his balloon had been found by some fishermen. The men, seeing it moving a little above the lake of Ladoga, put off in their boats to the place where it seemed likely to fall. They succeeded in dragging the balloon and the car into a boat. The car was found to contain its ballast; but there was neither the parachute, nor the great knife, nor the pistols, which M. Ledet had taken with him. It is probable that the æronaut had tried to descend with the parachute on finding himself near the lake; but from nothing having been heard of him, it is feared that he has perished.

EMIGHATION TO SOUTH AUSTRALIA.—From a Parliamentary return instance.

of him, it is feared that he has perished.

EMIGRATION TO SOUTH AUSTRALIA.—From a Parliamentary return just issued, it appears that the average cost of passage of emigrants from England to South Australia, in ships chartered by her Majesty's Colonial Land and Emigration Commissioners, from 1st January, 1846, to the present time, is computed at 37,401L; the number of statute adults embarked in 15 ships being 3021; and the average cost of each adult, 124. 7s. 74d. A statute adult is one person of the age of 14 years and upwards; or two persons between 1 and 14. This amount represents the net average cost of the conveyance and victnalling of the emigrants, and is exclusive of gratuities allowed to the surgeons, superintendent, and officers of the ships, and other incidental expenses.

intendent, and officers of the ships, and other incidental expenses.

Effect of Railways on Turnfikes.—A general meeting of trustees of Surrey and Sussex roads was held, at the Sessions-house, Newington, on Thursday, for letting the tolls arising from the gates and bars at Newington, Camberwell, Kennington, Vauxhall, Kingston, Croydon, East Grinstead, &c., which were put up at the sum of 32,250L, for which they were let the previous year. Much interest was excited on this occasion, as, in consequence of the extension of the line of the South-Western Railway from Nine Elms to the York-road, which will cause a loss of revenue of about 6000L per annum, it was thought that a feduction would be proposed to that amount. The tolls were put up, but there was no offer for them; and it was stated in the course of the sale, that during the last four weeks there had been a falling off of 100L per

thought that a reduction would be proposed to that amount. The tolls were put up, but there was no offer for them; and it was stated in the course of the sale, that during the last four weeks there had been a failing of of 1004. Per week, in consequence of the railways south of the Thames.

New Description of Fuel.—We learn that a discovery has been made, which promises to be of great advantage to all descriptions of manufacturers and artizans who use fuel either for the production of steam, for the fusion of metals, or for ecientific and manufacturing processes. The inventor produces fuel of several different descriptions suitable either for domestic purposes, for engines, or for the production of great heat, and peculiarly valuable for the furnaces of foundries, as even at a white heat, with most perfect combustion, the material is consumed but very slowly. The great advantage of this material at the present time, when so much attention is paid to the health of large manufacturing communities, is, that it burns without any visible smoke, or with so little, that it is scarcely perceptible. Its introduction into general use will, therefore, supersede all the numerous expensive contrivances for consuming smoke which have hitherto been brought before the public, and used, for the most part, with but amall success. In steamers it will be particularly valuable, as, we understand, it burns readily, with great and durable heat, and does not send up even the smallest quantity of that nauseous and unsightly black vapour which occasionally poisons the atmosphere of our river.—Liverpool Albion.

New Irons-Works.—A new forge, lately erected at Shut End, has just commenced working; it belongs to James Forster, Eeq., and is the most complete iron manufactory within many miles, having on every side all the available resources and advantages so highly prized in connection with such works. It has an abundant supply of oal, and four blast-furnaces in full work, which will furnish a continual supply of pig-iron for this and othe

ORIGINAL REGISTRY OFFICE, FOR THE SALE AND

50

PURCHASE OF MINING SHAPE,

No. S., THREADWEEDLE-STREET, LONDON.

CROSSMAN, SOMMERS, AND CO., AGENTS.
SHARES FOR DISPOSAL.

Davon and Courtenay Consols
East Birch Tor

Row East Crowndale
East Wheal Rough Tor
Wheal Easa
North Wheal Camel
Wheal Sisters
Great Wheal Be.

FOR PURCHASE. West Tolgus

WHEAL CONCORD MINING COMPANY

Gona

At a SPECIAL MEETING of the adventurers in this mine, held pursuant to circular dated 30th Sept., at the offices, as above, for the purpose of taking the financial singure by the mine into consideration,—It was received,—
That a circular be issued to all the shareholders now in arrear of calls, requesting titem to pay the same forthwith, to the bankers of the company; and, also, with a view of accertaining what shareholders have paid their calls to the purser, or to any other party on his behalf.

Signed, by order of the meeting.

JAMES CROFTS, Secretary.

WANSEA DOCK COMPANY.—EXTRAORDINARY GENERAL MEETING.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders of this coupany will be HELD at the Gelidhall Coffee-house, king-street, in the city of London, on Wednesday, the 30th day of General Company of the Company of the South Company of the South

one inst., at Twelve o'clock at noon, for the purpose of taking not of the committee appointed at the general meeting of the shareholders, held in London in the 31st day of August last.

Also, for the purpose of passing resolutions increasing or reducing the number of the cotors of the company, and the order of rotation in which such increased or reduced number shall go out of office, in pursuance of the provisions of the Special and General tests of Parliament constituting and regulating the company.

Also, for the purpose of taking into consideration certain bye-laws and regulations, at the company at 5 waness, on the 19th lay of August last, and to pass resolutions confirming, altering, or rescluding the same, or any portion thereof, as to the meeting shall be deemed proper.

By order of the board of directors,

By order of the board of directors, lay of August last, and to pass resolutions confirming, altering, or reachding or any portion thereof, as to the meeting shall be deemed proper.

By order of the board of directors,

3, Lothbury, London, Oct. 5, 1847.

A. C. HOWDEN, Assistant Se

WANSEA DOCK COMPANY.—EXTRAORDINARY GENERAL MEETING.—Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of the shareholders of this company will be HELD at the company office, in duay Farade, Swanses (Tross whence is will, for convenience, be immediately adjourned to the Castle Hotel, Swanses), on Thursday, the 2 ist day of Ceignenext, at the hour of Twelve o'clock at noon, for the following purposes:— 1. To receive the report of the commercial meeting

sceneral meeting.

2. To determine as to the reduction of the number of directors of this compar r such other number as may be considered desirable—and as to the particular to be discontinued, consequent on such reduction; also, to determine the order ion in which such reduced number of directors shall go out of office.

3. To determine as to the amount, if any, to be paid to the directors who have tended the London meetings of this company, as a consideration for their pass.

and disbursements.

4. To determine as to the discontinuing the London solicitor, and the London of an offices of this company.

And, to adopt such resolutions, and do such other acts relating to the several motore-mentioned, as may then be determined on or agreed to.

By order of the board of directors,

Dock Offics, Swansea, Sept. 30, 1847.

GEO. GRANT FRANCIS, Socreta

CAMBRIAN AND GRAND JUNCTION RAILWAY
COMPANY.—The OFFICES of this COMPANY are REMOVED to No. 39, GREAT
SUTTON-STREET, CLERKENWELL, and the FINAL DIVIDEND is receivable daily,
from Eleven to One o'clock.

Dated October 7, 1847.

CUNNINGHAM & CARTER'S PNEUMATIC RAILWAY SYSTEM—The attention of the scientific public is requested to this SYSTEM tellch unities great simplicity with economy, and is entirely free from those dangers are onesquences which are the mesperable attendants on the use of the locomotive engine. The MODEL may BE VIEWED, and every information given, on application unningham, Auction Mart Coffee-house; or Mr. Carter, engineer, Peak-hill, Syd

TO ENGINEERS, RAILWAY AND STEAM-BOAT COMPANIES, AND THE OWNERS OF STEAM-ENGINES IN GENERAL.

W. & C. MATHER bog to call the attention of the above parties to PATENT ELASTIC METALLIC PISTON. :56

From the great satisfaction it has already given, they can, with confidence, recommend
it. The following are some of its excellent properties:

1. The great, equable, and mild clasticity: its being perfectly cylindrical and self-adlusting—thereby enabling it to yield, with the least possible friction, to any insecuragies
of the cylinder, whether oval or taper.

2. Its extreme simplicity and lightness—the packing consisting of our, two pricess or
survat, having vertical and horizontal clasticity being also independent of scheme properties, independent of each other—the horizontal clasticity being also independent of scheme properties.

3. It takes the least possible space; and is, therefore, well adapted for air and water
torus.

3. It takes the least possible space; and a little of the patent was unsuccessfully opposed by Mr. Goodfellow, the patenties of a jilston, having three angular rings, of a bevil form.

The Solicitor-General conceived that there was not the slightest similarity between them, as may be seen from the subjoined letter from Mr. Carpranel, through when the patent was taken.

W. and C. M. can refer to upwards of 100, made since the date of the patent (April, 1846), each of which is giving entire satisfaction. They ber to call alugation to the day, that, in a number of cases, they have replaced those made of these answer rings of the beef form, a description of which appeared in the Mining Journal of Saturday, October 2, 1847.

DEAR STRE,—Mr. Solicitor-General took the hearing in your patent yesterday, at the Privy Council, and decided that the invention did not interfers; we are, therefore general receding with the patent.

We are, your obedient servants,

Mossrs. Mather.

POOLE & CARPMAEL.

Mossrs. Mather.

The object of publishing the above letter, is to convince parties wishing to use W. at.

Mather's piston, that they have notking to fear from the causion which accompanie advertisement referred to, or the unfounded reports which are industriously eighted from the same quarter.

Locomotive and other pistons guaranteed for fuels months.

Salford Iron Works, Manchester, Sopt., 1847.

Salford Iron Works, Manchester, Sept., 1847.

TO ENGINEERS AND BOILER-MAKERS.

LAP-WELDED IRON TUBES, FOR MARINE
AND LOCOMOTIVE STEAM-BOILERS,
TUBES FOR STEAM, GAS, AND OTHER PURPOSES,
ALL SORTS OF GAS PITTINGS.

THE BIRMINGHAM PATENT IRON TUBE COMPANY,
42, CAMBRIDGE-STREET, BIRMINGHAM, & SMETHWICK, STAFFORDSHIRR,
MANUFACTURE BOILER and GAS TUBES, under an exclusive License from Mr. R.
Prosser, the patenties. These tubes are very extensively used in the boilers of marine and
locomotics tetam-engines in England and on the Continent—are stronger, lighter, cheaper,
and more durable than brass or copper tubes, and warranted not to open in the weid.

42, CAMBRIDGE-STREET, CRESCENT, BIRMINGHAM.

WORKS-SMETHWICK, STAFFORDSHIRE.

WORKS-SMETHWICK, STAFFORDSHIRE.
LONDON WAREHOUSE-No. 68, UPPER THAMES-STREET.

Engineers of the Royal Navy.—The following new regulations hav been made relative to the promotion of engineers brought up in the services. Third-class assistant engineers to complete three years' service at sea before they are eligible to be examined for, or promoted to, the second-class. Second-class assistant engineers to complete two years' service at sea before the are eligible to be examined for, or promoted to, the first-class. First-class assistant engineers to complete three years' service at sea before they are eligible to be examined for, or promoted to, chief engineer. Engineers, therefore, when we have been brought up in the service, will not be eligible for promotion to the

to be examined for, or promoted to, chief engineer. Engineers, therefore, who have been brought up in the service, will not be eligible for promotion to the rank of chief engineer to the Royal navy, until they shall have completed eight years' service at sea as assistant engineers.

THE ICRITYOSAURUS FOR THE MANGHESTER GEOLOGICAL SOCIETY.—We have already mentioned the fack, that a fine specimen of this fessil, named the ichthyosaurus, as partaking of the most striking characters of the fish on the one hand, and the saurian, or lizard, tribes on the other, had been jointly purchased by James Heywood, Esq., M.P., F.R.S., and Mr. George Haddield, for the sum of 160½, and that it was to be presented to the Manchester Geological Society. We may now add, that the specimen is a very fine one, measuring, when duly arranged, about 16 ft. in length; the whole of the head in excellent preservation; the body and vertebra generally in a tolerably good state; the hinder part of this fessil anisnal being the least perfect. It was found in the alum shale at Sand's End, near Whitby, on the property of the Marquis of Normanby, of whom it was purchased, as already stated, by the gentlement named. We understand, that this fine fessil has been packed in seven boxes, and it is expected will reach Manchester in the course of this week.

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October 9, 1847.